



WILEY
INTERNATIONAL
EDITION

Restricted: Not for sale in
North America

Facilities Planning

Third Edition

Tompkins | White | Bozer | Tanchoco

Facilities Planning 3rd Edition Solutions Manual

Lei Huang



Facilities Planning 3rd Edition Solutions Manual:

Embark on a transformative journey with is captivating work, Grab Your Copy of **Facilities Planning 3rd Edition Solutions Manual** . This enlightening ebook, available for download in a convenient PDF format , invites you to explore a world of boundless knowledge. Unleash your intellectual curiosity and discover the power of words as you dive into this riveting creation. Download now and elevate your reading experience to new heights .

https://staging.conocer.cide.edu/About/book-search/default.aspx/Everyday_Math_5th_Grade_Unit_5_Study_Guide.pdf

Table of Contents Facilities Planning 3rd Edition Solutions Manual

1. Understanding the eBook Facilities Planning 3rd Edition Solutions Manual
 - The Rise of Digital Reading Facilities Planning 3rd Edition Solutions Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Facilities Planning 3rd Edition Solutions Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Facilities Planning 3rd Edition Solutions Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Facilities Planning 3rd Edition Solutions Manual
 - Personalized Recommendations
 - Facilities Planning 3rd Edition Solutions Manual User Reviews and Ratings
 - Facilities Planning 3rd Edition Solutions Manual and Bestseller Lists
5. Accessing Facilities Planning 3rd Edition Solutions Manual Free and Paid eBooks
 - Facilities Planning 3rd Edition Solutions Manual Public Domain eBooks
 - Facilities Planning 3rd Edition Solutions Manual eBook Subscription Services
 - Facilities Planning 3rd Edition Solutions Manual Budget-Friendly Options

6. Navigating Facilities Planning 3rd Edition Solutions Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Facilities Planning 3rd Edition Solutions Manual Compatibility with Devices
 - Facilities Planning 3rd Edition Solutions Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Facilities Planning 3rd Edition Solutions Manual
 - Highlighting and Note-Taking Facilities Planning 3rd Edition Solutions Manual
 - Interactive Elements Facilities Planning 3rd Edition Solutions Manual
8. Staying Engaged with Facilities Planning 3rd Edition Solutions Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Facilities Planning 3rd Edition Solutions Manual
9. Balancing eBooks and Physical Books Facilities Planning 3rd Edition Solutions Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Facilities Planning 3rd Edition Solutions Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Facilities Planning 3rd Edition Solutions Manual
 - Setting Reading Goals Facilities Planning 3rd Edition Solutions Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Facilities Planning 3rd Edition Solutions Manual
 - Fact-Checking eBook Content of Facilities Planning 3rd Edition Solutions Manual
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

- Interactive and Gamified eBooks

Facilities Planning 3rd Edition Solutions Manual Introduction

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In today's fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Facilities Planning 3rd Edition Solutions Manual PDF books and manuals is the internet's largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Facilities Planning 3rd Edition Solutions Manual PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms

offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Facilities Planning 3rd Edition Solutions Manual free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

FAQs About Facilities Planning 3rd Edition Solutions Manual Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Facilities Planning 3rd Edition Solutions Manual is one of the best book in our library for free trial. We provide copy of Facilities Planning 3rd Edition Solutions Manual in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Facilities Planning 3rd Edition Solutions Manual. Where to download Facilities Planning 3rd Edition Solutions Manual online for free? Are you looking for Facilities Planning 3rd Edition Solutions Manual PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Facilities Planning 3rd Edition Solutions Manual. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Facilities Planning 3rd Edition Solutions Manual are for sale to free while some are payable. If you arent sure if

the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Facilities Planning 3rd Edition Solutions Manual. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Facilities Planning 3rd Edition Solutions Manual To get started finding Facilities Planning 3rd Edition Solutions Manual, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Facilities Planning 3rd Edition Solutions Manual So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading Facilities Planning 3rd Edition Solutions Manual. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Facilities Planning 3rd Edition Solutions Manual, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Facilities Planning 3rd Edition Solutions Manual is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Facilities Planning 3rd Edition Solutions Manual is universally compatible with any devices to read.

Find Facilities Planning 3rd Edition Solutions Manual :

~~everyday math 5th grade unit 5 study guide~~

eureka exam past papers

everfi answers module 7 insurances and taxes

europaean red cross first aid manual

everybody loves seconds casserole recipe

everfi quiz answers module 8

~~euro pro 8260 manual~~

evaporative emission system schematic 20hyundai sonata

evenflo maestro instruction manual

euro pro x manual

event based neuromorphic systems

eunos 500 wiring diagram

evaluation report executive summary

evan moor daily language review emc 582

evan moor daily math practice grade 2

Facilities Planning 3rd Edition Solutions Manual :

the journey of the elu to enlightenment a contemp pdf - Feb 10 2023

web the journey of the elu to enlightenment a contemp 2 9 downloaded from uniport edu ng on june 2 2023 by guest skills and was determined to measure his own powers of endurance against them he would succeed where shackleton had failed in the most brutal landscape in the world in 2008

the journey of the elu to enlightenment a contemp pdf - Jul 03 2022

web jul 6 2023 the journey of the elu to enlightenment a contemp 2 8 downloaded from uniport edu ng on july 6 2023 by guest studied contemplated and finally absorbed within meditation until the mind and heart are cleared of their obscurations and the practitioner perfects wisdom and compassion in the state of full enlightenment

the journey of the elu to enlightenment google books - May 13 2023

web mar 7 2019 the journey of the elu to enlightenment a contemporary interpretation of the teachings of the scottish rite robert davis amazon digital services llc kdp print us mar 7 2019 372 pages 0

east of enlightenment regulating cosmopolitanism between istanbul - Nov 07 2022

web sep 1 2010 the relationship of the european enlightenment to islam has usually been analyzed by collating attitudes toward a religion conceived as constitutively non european enlightenment thinkers

the journey of the elu to enlightenment a contemp vpn - Feb 27 2022

web the journey of the elu to enlightenment a contemp 3 3 charm of the legendary madhigattan for est and wander through it in a state of joint hallucination as they journey through the woods they meet three great souls and there is a revelation on the state of their own countrymen who are these three great souls what do

read free the journey of the elu to enlightenment a contemp - Apr 12 2023

web the journey of the elu to enlightenment a contemp on the path to enlightenment aug 16 2020 dilgo khyentse rinpoche inspired matthieu ricard to create this anthology by telling him that when we come to appreciate the depth of the view of the eight great traditions of tibetan buddhism and also see that they all lead to the

the journey of the elu to enlightenment a contemp - Jun 02 2022

web the journey of the elu to enlightenment a contemp is available in our book collection an online access to it is set as public so you can download it instantly our book servers hosts in multiple locations allowing you to get the most less latency time to download any of our books like this one

your journey to enlightenment twelve guiding principles to - Dec 28 2021

web dec 30 2013 your journey to enlightenment lays out 12 guiding principles that will help you discover how to live in constant unfolding potential without attachment to outcomes live awake and aware soaring as a magnetizing force in personal and global expansion

the journey of the elu to enlightenment a contemp pdf - Jan 09 2023

web jul 1 2023 the journey of the elu to enlightenment a contemp 2 7 downloaded from uniport edu ng on july 1 2023 by guest and it is the living proof of how lead turns into gold how matter transforms into spirit and how a catipillar turns into a butterfly comic tones in science fiction donald m hassler 1982 10 25 british book production 1970

the journey of the elu to enlightenment a contemp - Dec 08 2022

web the best that is within him in all activities of his life the journey is nothing less than the journey to the mature masculine soul this book takes a new look at how the teachings of the scottish rite serve both the individual and humanity in advancing the ideals of peace enlightenment and freedom for all mankind it

the journey of the elu to enlightenment a contemporary - Jul 15 2023

web mar 7 2019 the journey of the elu to enlightenment a contemporary interpretation of the teachings of the scottish rite davis robert g on amazon com free shipping on qualifying offers the journey of the elu to enlightenment a contemporary interpretation of the teachings of the scottish rite

loading interface goodreads - Jan 29 2022

web discover and share books you love on goodreads

the journey of the elu to enlightenment a contemp pdf - Mar 31 2022

web aug 31 2022 the journey of the elu to enlightenment a contemp when somebody should go to the book stores search inauguration by shop shelf by shelf it is really problematic this is why we offer the book compilations in this website it will unconditionally ease you to see guide the journey of the elu to enlightenment a contemp as you such

conclusion the enlightenment project of bruno latour taylor - May 01 2022

web doi link for conclusion the enlightenment project of conclusion the enlightenment project of book by bruno latour book bruno latour click here to navigate to parent product edition 1st edition first published 2011 imprint routledge pages 21 ebook isbn 9780203835272 share abstract

the journey of the elu to enlightenment a contemp albert - Sep 05 2022

web journey of the elu to enlightenment a contemp join that we give here and check out the link you could purchase lead the journey of the elu to enlightenment a contemp or acquire it as soon as feasible

the journey of the elu to enlightenment a contemp pdf wp - Jun 14 2023

web pages of the journey of the elu to enlightenment a contemp a marvelous fictional prize filled with raw feelings lies an immersive symphony waiting to be embraced constructed by a wonderful

the journey of the elu to enlightenment a contemp pdf - Aug 04 2022

web jun 15 2023 the journey of the elu to enlightenment a contemp 2 9 downloaded from uniport edu ng on june 15 2023 by guest modernization freemasonry empowered women in complex social networks contributing to a more liberal republic a more open society and a more engaged public culture james smith allen shows that although women initially

the journey of the elu to enlightenment a contemporary - Aug 16 2023

web mar 8 2019 the journey of the elu to enlightenment a contemporary interpretation of the teachings of the scottish rite davis robert g 9781799066552 amazon com books books

the journey of the elu to enlightenment a contemp pdf 2023 - Oct 06 2022

web journey of the elu to enlightenment a contemp pdf web oct 20 2022 the journey of the elu to enlightenment a contemp as recognized adventure as without difficulty as experience virtually lesson amusement as well as promise can be gotten by just checking out a books the journey of the elu to enlightenment a contemp then it is not the

the journey of the elu to enlightenment a contemp pdf - Mar 11 2023

web guides for the journey the journey of the elu to enlightenment a contemp downloaded from analytics budgetbakers com by guest kylan novak a sinhalese english dictionary routledge macroeconomics in small island states brings to the reader similar subjects as in a traditional economics reader but now in the context of small islands

the oxford handbook of european romanticism oxford - Jul 23 2022

web the oxford handbook of european romanticism focuses on the period beginning with the french revolution and extending to the uprisings of 1848 across europe it brings

the oxford handbook of european romanticism european - Jun 02 2023

web the oxford handbook to european romanticism brings together leading scholars in the field to examine the intellectual literary philosophical and political elements of

the oxford handbook of european romanticism request pdf - Dec 28 2022

web jun 22 2016 the oxford handbook of philosophy and literature contains twenty three articles by major philosophers and literary scholars that investigate literature as a form of

[the oxford handbook of european romanticism worldcat org](#) - Jul 03 2023

web get this from a library the oxford handbook of european romanticism paul hamilton the oxford handbook of european romanticism focuses on the cultural history of

[the oxford handbook of european romanticism oxford](#) - Aug 24 2022

web the oxford handbook to european romanticism brings together leading scholars in the field to examine the intellectual literary philosophical and political elements of

the oxford handbook of european romanticism hardcover - Jan 29 2023

web mar 7 2016 tthe oxford handbook to european romanticism brings together leading scholars in the field to examine the intellectual literary philosophical and political

the oxford handbook of european romanticism - Sep 05 2023

web aug 27 2019 tthe oxford handbook to european romanticism brings together leading scholars in the field to examine the intellectual literary philosophical and political

the oxford handbook of european romanticism oxford - Oct 26 2022

web jul 26 2007 tthe oxford handbook to european romanticism brings together leading scholars in the field to examine the intellectual literary philosophical and political

[the oxford handbook of european romanticism oxford](#) - Feb 27 2023

web tthe oxford handbook to european romanticism brings together leading scholars in the field to examine the intellectual literary philosophical and political elements of

the oxford handbook of european romanticism oxford - May 01 2023

web aug 27 2019 the oxford handbook of european romanticism oxford handbooks reprint edition by paul hamilton editor 3 5 2 ratings see all formats and editions kindle

the oxford handbook of european romanticism booktopia - Sep 24 2022

web jan 21 2016 booktopia has the oxford handbook of european romanticism oxford handbooks by paul hamilton buy a discounted hardcover of the oxford handbook of

[the oxford handbook of european romanticism google books](#) - Aug 04 2023

web jan 14 2016 tthe oxford handbook to european romanticism brings together leading scholars in the field to examine the intellectual literary philosophical and political

the oxford handbook of european romanticism oxford academic - Oct 06 2023

web jan 14 2016 this volume in the oxford handbook series is on the subject of european romanticism an intellectual literary philosophical and political movement usually

the oxford handbook of european romanticism taylor - Mar 31 2023

web jun 22 2016 the oxford handbook of european romanticism michael sonenscher pages 122 123 published online 22 jun 2016 download citation

the oxford handbook of european romanticism google books - May 21 2022

web the oxford handbook of european romanticism focuses on the period beginning with the french revolution and extending to the uprisings of 1848 across europe it brings

book review paul hamilton ed the oxford handbook of - Jun 21 2022

web pdf on aug 30 2020 carmen casaloggi published book review paul hamilton ed the oxford handbook of european romanticism oxford university press 2016

the oxford handbook of european romanticism oxford - Nov 26 2022

web apr 18 2013 buy the oxford handbook of european romanticism oxford handbooks by hamilton paul isbn 9780199696383 from amazon s book store

results for parallel and perpendicular lines word problems - Mar 23 2022

web we use the symbol for parallel lines if the lines ab and cd are parallel we represent them as $a \parallel b$ $c \parallel d$ definition of perpendicular lines two lines are said to be

parallel and perpendicular lines definition properties examples - May 25 2022

web aug 24 2022 find an equation of a line parallel to a given line since there are very specific rules about the slopes of lines that are parallel or perpendicular to each other

parallel and perpendicular lines khan academy - Jan 01 2023

web write the equation of a line that is perpendicular to $y = 0.25x + 7$ and that passes through the point $(6, 8)$ stuck review related articles videos or use a hint

geometry word problem examples angles online math help - Jan 21 2022

web examples of how to find the equation of a line parallel and or perpendicular to another line example 1 find the equation of a line that is parallel to $y = 3x + 5$

geometry word problems video lessons examples and solutions - Jun 25 2022

web here a represents the slope of the line since two parallel lines never intersect each other and they have the same steepness their slopes are always equal for example if the

geometry worksheets lines worksheets math aids com - Jun 06 2023

web oct 28 2013 use slope to identify parallel and perpendicular lines estimated 10 min to complete progress practice equations of parallel and perpendicular lines practice

3 6 perpendicular and parallel lines intermediate algebra - Mar 03 2023

web perpendicular lines are lines in the same plane that intersect at right angles 90 degrees two nonvertical lines in the same plane with slopes m_1 and m_2 are perpendicular if

parallel perpendicular lines basic geometry video khan - Sep 28 2022

web a vertical line is parallel to another vertical line a vertical line is perpendicular to a horizontal line and vice versa
summary parallel lines same slope perpendicular

parallel intersecting and perpendicular lines worksheets - Jul 27 2022

web step 1 assign variables let x length of the equal side sketch the figure step 2 write out the formula for perimeter of triangle p sum of the three sides step 3 plug in the

parallel and perpendicular lines chilimath - Dec 20 2021

web discover the intriguing universe of 3d solids and solve even the most complicated math problems thanks to shapes 3d geometry drawing teachers and parents can bring

write equations of parallel perpendicular lines analytic - Nov 30 2022

web parallel lines never intersect and perpendicular lines intersect at a 90 degree angle learn how to identify parallel and perpendicular lines created by sal khan

word problems involving parallel and perpendicular lines - Oct 10 2023

web if the straight lines $y = 2x + p$ and $ax + 5 = 3y$ are parallel then find a find the value of a if the straight lines $5x + 2y + 9 = 0$ and $ax + 2y + 11 = 0$ are perpendicular to each other find the value of p for which the straight lines $8px + 2 = 3p$ $y + 1 = 0$ and $px + 8y = 7$

solving word problems involving parallel and perpendicular - May 05 2023

web choose 1 answer $g \perp a$ and $a \perp z$ $g \perp a$ and $a \perp z$ and $g \perp z$ $b \perp a$ and $g \perp z$ $g \perp a$ and $g \perp c$ $g \perp a$ and $g \perp z$ no sides are perpendicular d

parallel and perpendicular lines review article khan academy - Apr 04 2023

web 3 6 perpendicular and parallel lines perpendicular parallel horizontal and vertical lines are special lines that have properties unique to each type parallel lines for

finding parallel and perpendicular lines math is fun - Aug 28 2022

web in geometry there are three different types of lines namely parallel perpendicular and intersecting parallel lines that move in their specific direction without ever intersecting

3 6 parallel and perpendicular lines mathematics - Feb 02 2023

web unit test angles formed by parallel lines and transversals learn angles parallel lines transversals parallel perpendicular lines missing angles with a transversal measures

parallel and perpendicular lines definition with examples - Feb 19 2022

web solution step 1 assign variables let x size of one of the two equal angles sketch the figure step 2 write down the sum of angles in quadrilateral the sum of angles in a

3 5 parallel and perpendicular lines mathematics libretexts - Apr 23 2022

web these questions are available in print and digital format google slides in google classroom standards and topics covered geometry 4 g 1 identifying points lines

parallel and perpendicular lines word problem math shack - Sep 09 2023

web free math practice problems for pre algebra algebra geometry sat act homework help test prep and common core assignments

parallel and perpendicular lines extended practice - Jul 07 2023

web 1 4 2 5 2 1 3 4 1 find the slope of the line perpendicular to each line given 4 6 2 5 8 2 1 6 4 write the equation of the line parallel to

parallel perpendicular lines intro analytic geometry video - Oct 30 2022

web if you are having trouble remembering the difference between parallel and perpendicular lines remember this in the word parallel the two l s are parallel perpendicular

4 6 parallel and perpendicular lines mathematics libretexts - Oct 18 2021

parallel and perpendicular lines with word problems turito - Aug 08 2023

web jul 26 2023 classify lines solve real word problems identify parallel and perpendicular lines in real life determine how to identify and classify parallel and

shapes 3d geometry drawing microsoft store - Nov 18 2021

web apr 16 2021 often you will be asked to find the equation of a line given some geometric relationship for instance whether the line is parallel or perpendicular to another line