

CHAPTER 3 GROUP REVIEW

1. Lines that are in different planes are SKEW.

2. The POINT-SLOPE form of a line is used to write an equation of a line with a given slope that passes through a given point.

3. Identify each of the following:

a) a pair of skew segments

for example: $\overline{AD}$ & $\overline{BC}$

b) a pair of perpendicular segments

for example: $\overline{DE} \perp \overline{EF}$



4. Identify the transversal and classify each angle pair.

a) angles 5 and 2

TRANSVERSAL: $\angle$

ALT. INT. $\angle$ s

b) angles 2 and 4

TRANSVERSAL: $\angle$

SAME-SIDE INT. $\angle$ s



5. Find each angle measure. Name the theorem or postulate you used to set up an equation.

a) $m\angle WYZ$



90° SAME-SIDE INT. $\angle$ s THM.

b) $m\angle DEF$



$$33x + 35 = 26x + 49 \rightarrow \text{ALT. EXT. } \angle \text{S THM.}$$

$$7x = 14$$

$$x = 2$$

$$26(2) + 49$$

$$52 + 49$$

$$101^\circ$$

$$180 - 101 \rightarrow \text{LINEAR PAIR}$$

$$m\angle DEF = 79^\circ$$

6. Use the given information and theorems or postulates you have learned to show that $c \parallel d$.

a) $m\angle 4 = 58^\circ$, $m\angle 6 = 58^\circ$

$m\angle 4 = m\angle 6$
 $c \parallel d$ CONV. ALT.
 INT. $\angle$ s THM.

b) $m\angle 6 = (12x + 6)^\circ$, $m\angle 3 = (21x + 9)^\circ$, $x = 5$

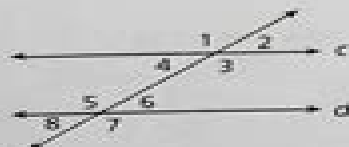
$$m\angle 6 = 12(5) + 6 = 60 + 6 = 66^\circ$$

$$m\angle 3 = 21(5) + 9 = 105 + 9 = 114^\circ$$

$$66^\circ + 114^\circ = 180^\circ$$

$$m\angle 6 + m\angle 3 = 180^\circ$$

$c \parallel d$ CONV. SAME-SIDE INT. $\angle$ s THM.



7. Name the shortest segment from point K to $\overline{LN}$. Write an inequality and solve for x.

SHORTEST $\overline{KM}$

$$x - 5 < 8$$

$$x < 13$$



Geometry Chapter 3 Performance Tasks

Ensheng Dong



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Penny, Belita Gordon, 2008-10-10 A comprehensive resource for assessment practitioners this book provides step by step guidance for developing administering scoring and validating a range of performance tasks including literacy and other types of proficiency assessments The authors explore how to establish the purpose of the assessment and how to develop scoring tools train raters reduce rater bias review scores and report results and use item level and test level analyses to optimize reliability and validity Clearly written and well organized the book includes many practical examples and accessible explanations of concepts and statistical procedures It encompasses the breadth of applications of performance assessment

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Risk Behaviour and Risk Management in Business Life Bo Green,2013-03-09 Risk behaviour and risk management in business life influence a wide range of fields in which only a very limited amount of research has been undertaken These topics have often been treated as if they were theoretically and practically isolated from other fields the so called risk archipelago problem What is actually needed is another focus in which the problem of risk is treated as a central theme The demand for interdisciplinary research means that there is a need for crossing scientific boundaries In approaching risk problems from a holistic perspective there is also a parallel need for linking the scientific and the business worlds Researchers must work closely together in concrete multidisciplinary research projects and in co operation with the industrial world in seeking out and solving research problems of importance This book contains selected and re written papers and key note speeches presented in a risk seminar that Stockholm University organised in June 1997 The seminar in which 200 researchers and practitioners from 26 countries participated was divided into four main topic areas Risk Assessment and Credit Management Psychology in Business Life Risk Management in Small Firms and Law and Business Risk In writing this book the editor invited eight professors from four continents to assist him in introducing the reader to the different and scientific disciplines and in explaining the need for interdisciplinary multidisciplinary and cross disciplinary risk

research projects The book consists of eight chapters and the target groups are researchers doctoral and master students at universities and business people working in the risk management area *Publication - National Academy of Sciences-National Research Council ,1961 **Scientific and Technical Aerospace Reports** ,1990 *Research in Education ,1971 *Strategies of Orientation in Environmental Spaces* Tobias Meilinger,2008**

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