

GEOMETRY FINAL EXAM

and study guide

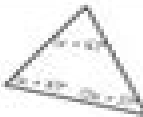
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GEOMETRY FINAL EXAM

Directions: Choose the best answer for each problem.


1) Solve for x.

A. $x = 23$
B. $x = 48$
C. $x = 42$
D. $x = 21$




2) What is the best name for the 3D figure?

A. Triangular Pyramid
B. Rectangular Prism
C. Rectangular Pyramid
D. Triangular Prism



3) What is the area of the shaded sector?

A. 55.04 ft²
B. 56.03 ft²
C. 54.60 ft²
D. 56.04 ft²



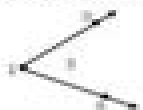
4) What type of triangle is formed by the side lengths below?

A. Acute
B. Right
C. Obtuse
D. Cannot form a triangle

7 cm, 9 cm, 10 cm

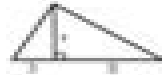
5) Which of the following is NOT a correct name for this angle?

A. $\angle DOB$
B. $\angle E$
C. $\angle B$
D. $\angle D$



6) Solve for x.

A. $x = 9.2$
B. $x = 2.5$
C. $x = 4.5$
D. $x = 1.1$



7) Choose the best reason to complete the proof.

Given: $\angle DOB$ is a right angle.
Prove: $\angle DOB$ and $\angle COB$ are complementary.

Statements	Reasons
$\angle DOB$ is a right angle	Given
$m\angle DOB = 90^\circ$	Def. of Right Angle

8) Complete the proof.

Given: The angle is obtuse.

Prove: The angle is obtuse.

Statement: _____

Reason: _____

Conclusion: _____


Justification: _____

9) Find the distance between two parallel lines.


Line l: $y = \frac{1}{2}x + 3$
Line m: $y = -\frac{1}{2}x + 5$

10) Find the missing side lengths of the triangles below.

a)



b)



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Integrated Geometry Final Exam Study Guide

Marco Cascella



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