



Geometry

Test Pack

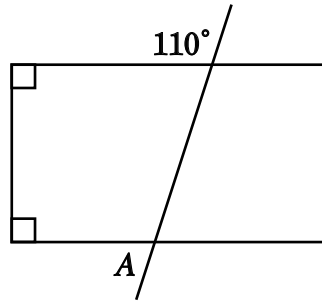
Table of Contents

To the Teacher	v
Testing Students Who Do Not Test Well	vi
Test-Taking Strategies for <i>Power Basics</i>	vii
Pretest	1
Unit 1 Test: Lines and Angles	8
Unit 2 Test: Perimeter, Circumference, and Area	14
Unit 3 Test: Volume	22
Unit 4 Test: Coordinate Geometry	27
Posttest	33
Answer Key	40
Student Record-Keeping Form	41
Strategies for Standardized Testing	42

GEOMETRY • PRETEST

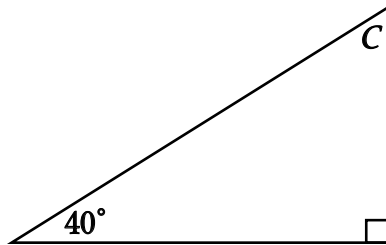
Circle the correct answer for each of the following questions. Show your work, if necessary.

1. How many degrees are there in angle A ?



- a. 70°
- b. 110°
- c. 290°
- d. 90°

2. How many degrees are there in angle C ?



- a. 50°
- b. 40°
- c. 30°
- d. 25°

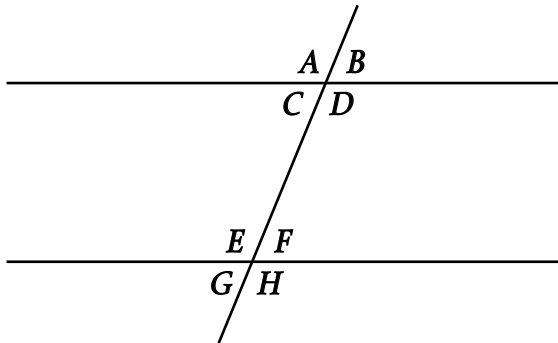
3. A right triangle has one leg that is 10 inches long and one leg that is 5 inches long. How long is the triangle's hypotenuse?
- a. 11.18 in.
 - b. 1.25 in.
 - c. 10 in.
 - d. 15 in.

4. A triangle has two sides of equal length. With this information only, we can say that it is
- a scalene triangle.
 - an equilateral triangle.
 - an isosceles triangle.
 - a right triangle.
-

5. A triangle has one angle that is greater than 90° . With this information only, we can say that it is
- a scalene triangle.
 - an acute triangle.
 - a right triangle.
 - an obtuse triangle.
-

6. A triangle has three sides of equal length. With this information only, we can say that it is
- an equilateral triangle.
 - an acute triangle.
 - both an equilateral and an acute triangle.
 - a right triangle.
-

7. Which angles below are equal to angle H?



- $\angle F$, $\angle E$, $\angle G$
 - $\angle G$, $\angle D$, $\angle C$
 - $\angle E$, $\angle D$, $\angle A$
 - $\angle E$, $\angle C$, $\angle B$
-
8. Jonah wants to buy carpeting for his new apartment. He wants to carpet his living room and his bedroom. The living room is 6 meters long and 4 meters wide. The bedroom is 5 meters square. How much carpeting does Jonah have to buy to cover the floors in both rooms?
- 75 m^2
 - 49 m^2
 - 36 m^2
 - 15 m^2

UNIT 1 TEST • LINES AND ANGLES

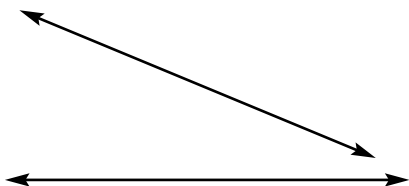
Circle the correct answer to each of the following questions. Show your work, if necessary.

1. Which of the following objects is two-dimensional?

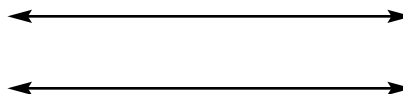
- a. a pair of dice
 - b. a basketball
 - c. a tree
 - d. a circle
-

2. Which pair of lines below are parallel?

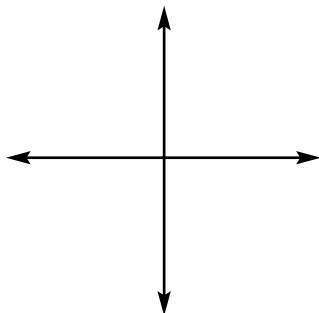
a.



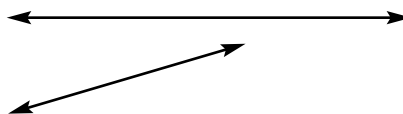
c.



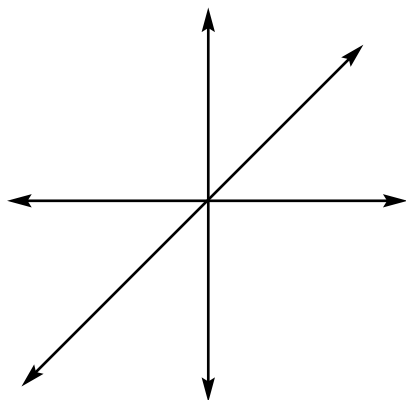
b.



d.

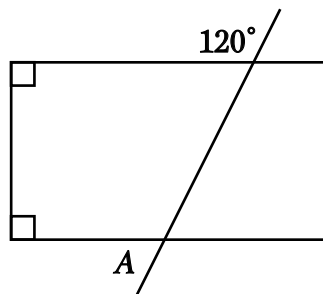


3. How many angles are there in the diagram below?



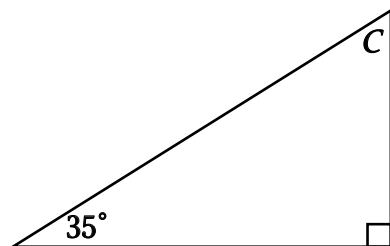
- a. 3
- b. 1
- c. 6
- d. 4

4. How many degrees are there in angle A?



- a. 60°
- b. 120°
- c. 240°
- d. 90°

5. How many degrees are there in angle C?



- a. 55°
- b. 90°
- c. 145°
- d. 180°

GEOMETRY • POSTTEST

Circle the correct answer to each of the following questions. Show your work, if necessary.

1. Angle A of triangle ABC measures 55° and angle B measures 40° . How much does angle C measure?

a. 65°
b. 75°
c. 85°
d. 95°

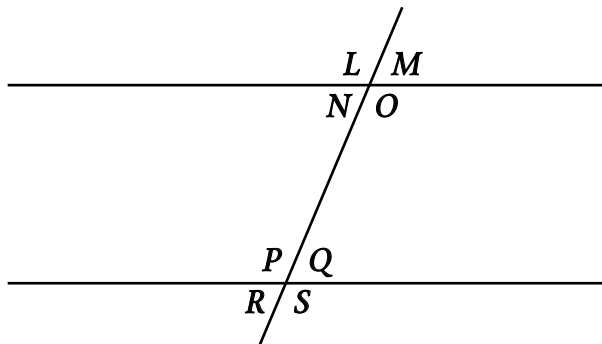
2. What is a triangle with no equal sides called?

a. an equilateral triangle
b. an obtuse triangle
c. a scalene triangle
d. an isosceles triangle

3. What is the complement of an angle that measures 45° ?

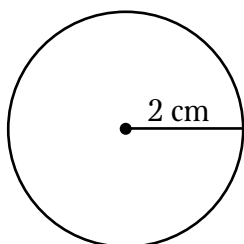
a. 30°
b. 45°
c. 150°
d. 330°

4. Which angles below are equal to angle L ?



a. $\angle M, \angle P, \angle Q$
b. $\angle O, \angle Q, \angle R$
c. $\angle N, \angle P, \angle R$
d. $\angle O, \angle P, \angle S$

5. What is the area of the circle below? ($\pi = 3.14$)



- a. 12.56 cm^2
- b. 12.56 cm
- c. 6.28 cm
- d. 6.28 cm^2

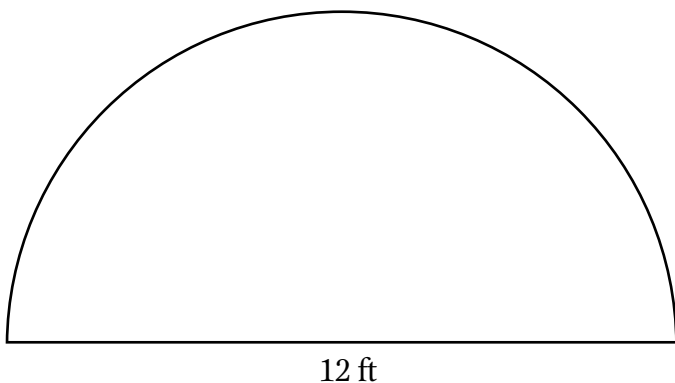
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6. What is the circumference of a circle with a radius of 5 inches? ($\pi = 3.14$)

- a. 15.7 meters
- b. 23.6 meters
- c. 31.4 meters
- d. 35.4 meters

-
7. What is the radius of a circle with a circumference of 62.8 meters? ($\pi = 3.14$)

- a. 2.5 meters
- b. 5 meters
- c. 10 meters
- d. 25 meters

-
8. The base of the semicircle below is 12 feet. What is its area? ($\pi = 3.14$)



- a. 30.84 square feet
- b. 37.68 square feet
- c. 56.52 square feet
- d. 78.84 square feet