



Geometry

Test Pack

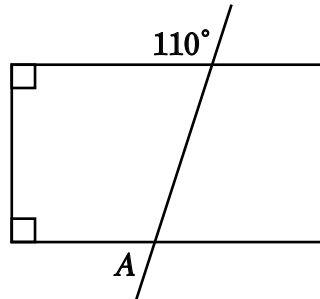
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GEOMETRY • PRETEST

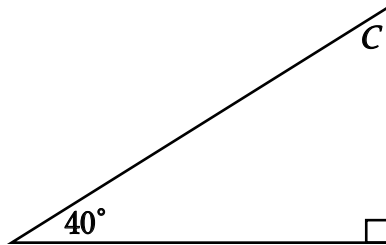
Circle the correct answer for each of the following questions. Show your work, if necessary.

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°
-

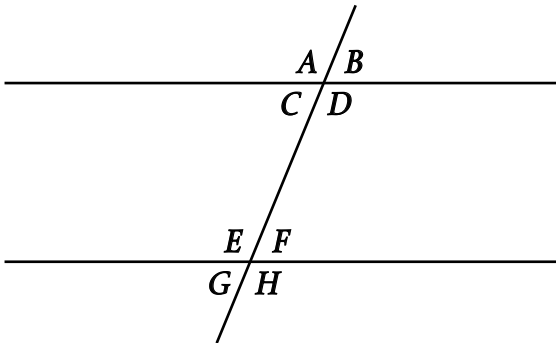
3. A right triangle has one leg that is 10 inches long and one leg that is 5 inches long. How long is the triangle's hypotenuse?
- a. 11.18 in.
 - b. 1.25 in.
 - c. 10 in.
 - d. 15 in.

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

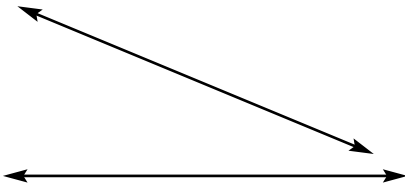
Circle the correct answer to each of the following questions. Show your work, if necessary.

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

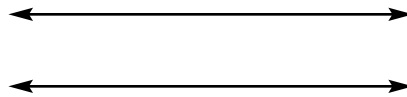
- a. a pair of dice
 - b. a basketball
 - c. a tree
 - d. a circle
-

2. Which pair of lines below are parallel?

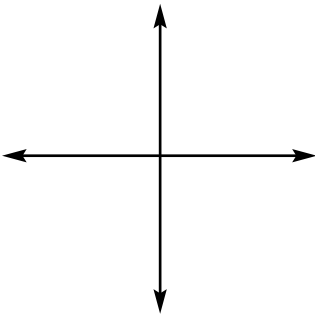
a.



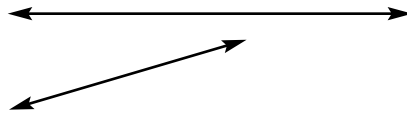
c.



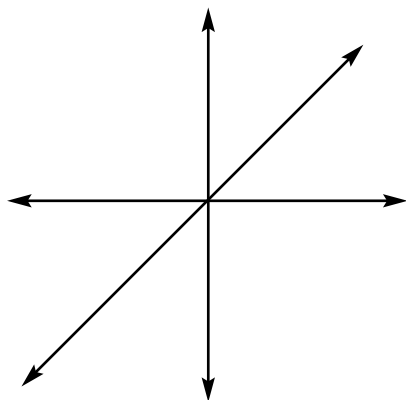
b.



d.

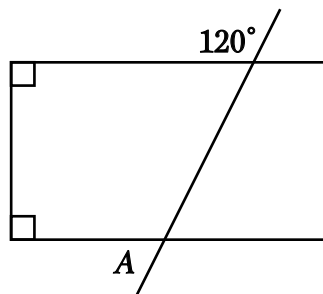


3. How many angles are there in the diagram below?



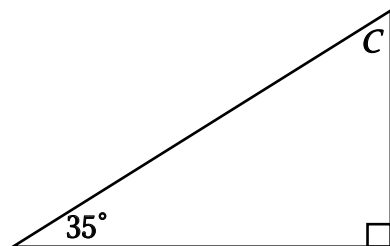
- a. 3
- b. 1
- c. 6
- d. 4

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

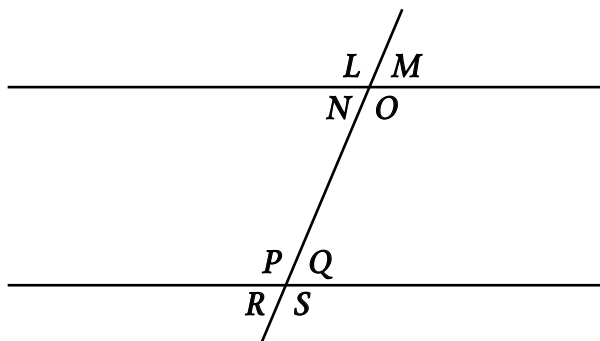
Circle the correct answer to each of the following questions. Show your work, if necessary.

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
-

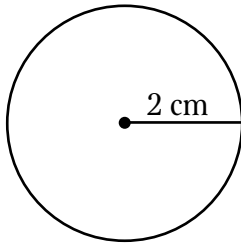
3. What is the complement of an angle that measures 45° ?
- a. 30°
 - b. 45°
 - c. 150°
 - d. 330°
-

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. $\angle O, \angle P, \angle S$

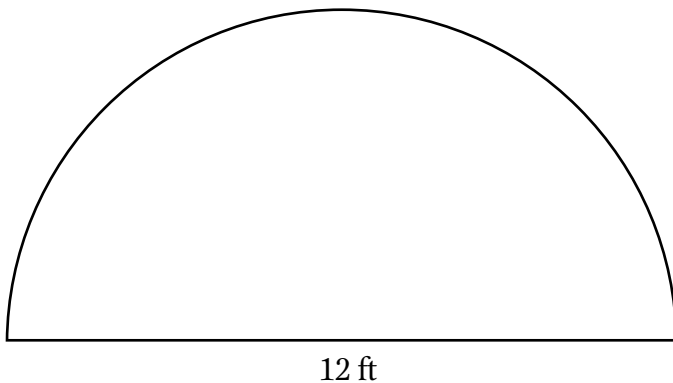
5. What is the area of the circle below? ($\pi = 3.14$)



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