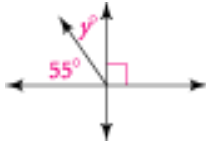


- 1 Find the measure of the unknown angle.



- A 35°
- B 125°
- C 145°
- D 45°

- 2 Find the measure of the unknown angle.



- A 40°
- B 45°
- C 60°
- D 50°

- 3 Find the measures of the complement and supplement of the angle.

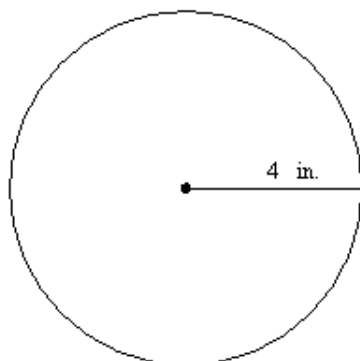
$$m\angle B = 27^\circ$$

- A $53^\circ; 163^\circ$
- B $53^\circ; 153^\circ$
- C $63^\circ; 153^\circ$
- D $63^\circ; 163^\circ$

- 4 How many square centimeters of glass are needed to make a circular window with a radius of 9 centimeters? Use 3.14 as an approximation for π .

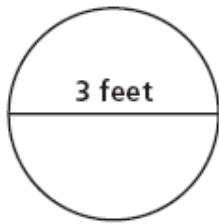
- A 28.26 cm^2
- B 56.52 cm^2
- C 254.34 cm^2
- D $1,017.36 \text{ cm}^2$

- 5 Use $\pi = 3.14$ to estimate the circumference of the circle to the nearest hundredth.



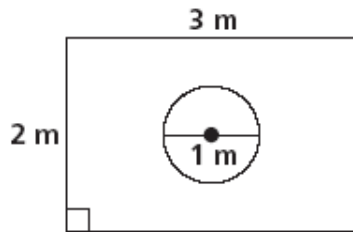
- A 12.56 in.
B 25.12 in.
C 12 in.
D 50.24 in.²
- 6 A circular window has a diameter of 40 centimeters. What is the circumference of the window? Use 3.14 for π .
- A 62.8 cm
B 125.6 cm
C 251.2 cm
D 502.4 cm
- 7 What is the radius of a circle that has a circumference of 7.85 meters? Use 3.14 for π .
- A 1.25 m
B 2.5 m
C 24.65 m
D 42.3 m

- 8 What is the area, to the nearest tenth, of the circular rug shown below? Use 3.14 for π .

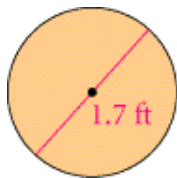


- A 4.7 square feet
B 7.1 square feet
C 9.4 square feet
D 18.8 square feet
- 9 In professional baseball, the circular pitcher's mound has a diameter of 18 feet. What is the circumference of the pitcher's mound? Use 3.14 as an approximation for π .
- A 28.26 feet
B 32.78 feet
C 44.74 feet
D 56.52 feet
- 10 The Barringer Meteor Crater is located near Winslow, Arizona. This crater is approximately circular in shape and has a diameter of 1.2 kilometers. What is the area of Barringer Meteor Crater? Use 3.14 as an approximation for π .
- A 1.13 km^2
B 2.36 km^2
C 3.24 km^2
D 4.52 km^2

- 11 Mr. Li placed a birdbath in the middle of his flower garden. The base of the birdbath is a circle. How much area is left in the garden for the flowers? Use 3.14 as an approximation for π .



- A 2.86 m^2
 - B 3.14 m^2
 - C 5.22 m^2
 - D 9.14 m^2
- 12 Find the circumference and area of the circle. Use 3.14 for π . Round your answers to the nearest unit.



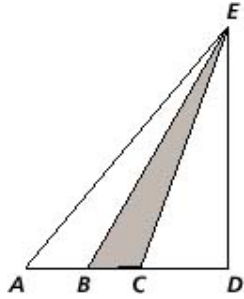
- A 5 ft; 9 ft^2
 - B 11 ft; 2 ft^2
 - C 5 ft; 2 ft^2
 - D 11 ft; 9 ft^2
- 13 Estimate the circumference and area of a circle with the given radius. Round to the nearest tenth.

$$\frac{7}{12} \text{ cm}$$

$$\pi \approx \frac{22}{7}$$

- A 3.7 cm; 1.1 cm^2
- B 4 cm; 1 cm^2
- C 2.6 cm; 1.8 cm^2
- D 1.2 cm; 0.3 cm^2

14 Which of the following angles has the smallest measure?



- A angle EAB
- B angle EBC
- C angle ECD
- D angle EDA

15 Find the circumference and area of the circle. Round to the nearest tenth.

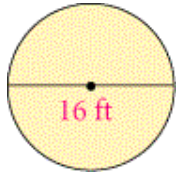
$\pi \approx 3.14$



- A 125.6 m; 1,256 m²
- B 62.8 m; 314 m²
- C 251.2 m; 5,024 m²
- D 125.6 m; 314 m²

16 Find the circumference and area of the circle. Round to the nearest tenth.

$\pi \approx 3.14$



- A 201.0 ft; 3,215.4 ft²
- B 100.5 ft; 803.8 ft²
- C 50.2 ft; 201.0 ft²
- D 100.5 ft; 3,215.4 ft²