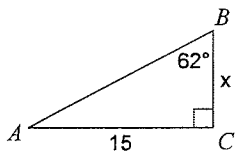


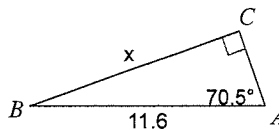
Exam Review

Find the measure of each side indicated. Round to the nearest tenth.

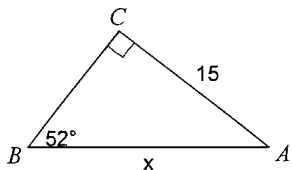
1)



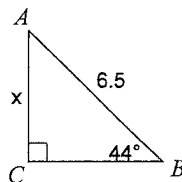
2)



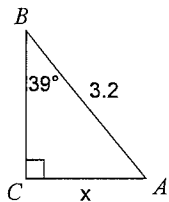
3)



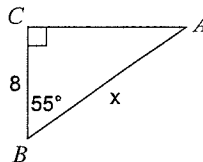
4)



5)

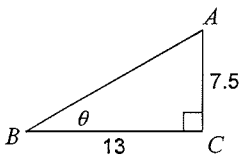


6)

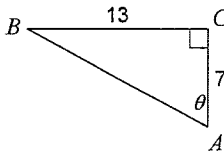


Find the measure of each angle indicated. Round to the nearest tenth.

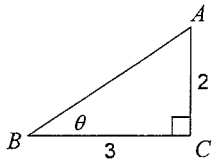
7)



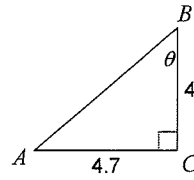
8)



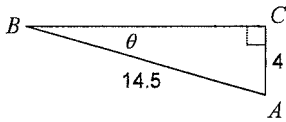
9)



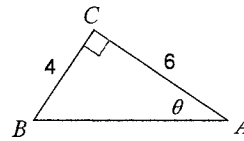
10)



11)

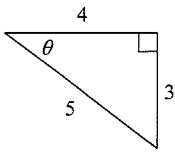


12)

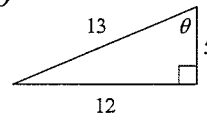


Find the value of the trig function indicated.

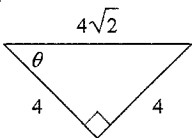
13) $\cot \theta$



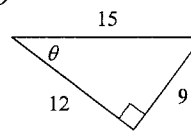
14) $\csc \theta$



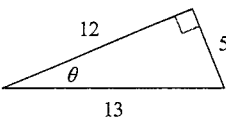
15) $\cot \theta$



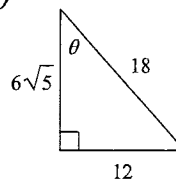
16) $\csc \theta$



17) $\cot \theta$



18) $\sec \theta$



Convert each degree measure into radians.

19) -600°

20) 160°

21) 330°

22) 290°

Convert each radian measure into degrees.

23) $\frac{7\pi}{6}$

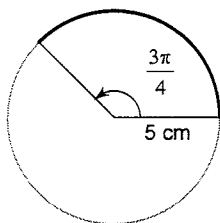
24) $-\frac{19\pi}{6}$

25) $\frac{23\pi}{12}$

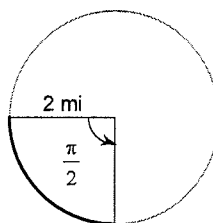
26) $-\frac{4\pi}{3}$

Find the length of each arc. Round your answers to the nearest tenth.

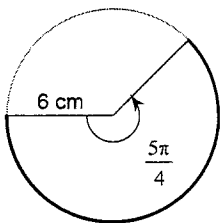
27)



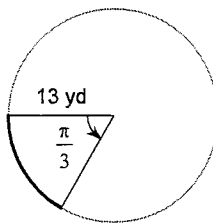
28)



29)



30)



Find a coterminal angle between 0° and 360° .

31) 840°

32) -390°

33) -105°

34) 375°

State the quadrant in which the terminal side of each angle lies.

35) -7°

36) -95°

37) -135°

38) 370°

Find the reference angle.

39) -620°

40) 425°

41) -190°

42) 400°

Find a coterminal angle between 0 and 2π for each given angle.

43) $-\frac{10\pi}{9}$

44) $\frac{43\pi}{12}$

45) $\frac{32\pi}{9}$

46) $-\frac{7\pi}{6}$

State the quadrant in which the terminal side of each angle lies.

47) $\frac{55\pi}{18}$

48) $\frac{5\pi}{6}$

49) $\frac{29\pi}{18}$

50) $\frac{11\pi}{3}$

Find the reference angle.

51) $\frac{13\pi}{12}$

52) $-\frac{9\pi}{4}$

53) $-\frac{19\pi}{12}$

54) $-\frac{19\pi}{6}$

Identify the center and radius of each.

55) $(x - 14)^2 + (y - 9)^2 = 16$

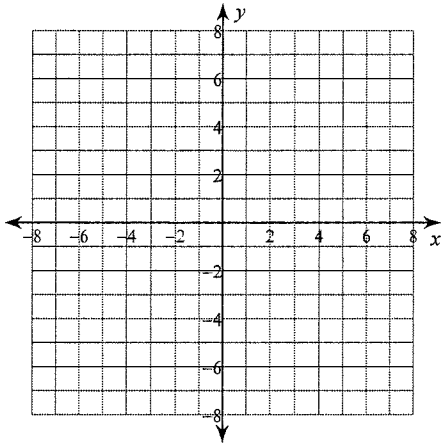
56) $x^2 + (y + 14)^2 = 9$

57) $(x - 6)^2 + y^2 = 58$

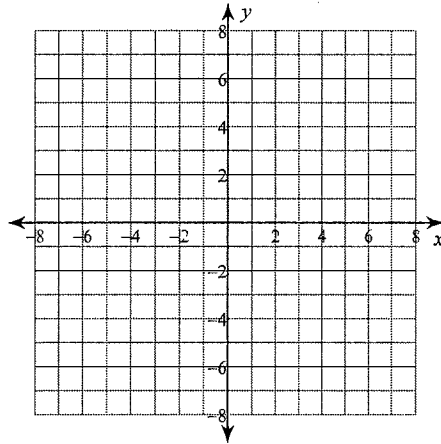
58) $(x + 15)^2 + (y + 7)^2 = 9$

Graph each equation.

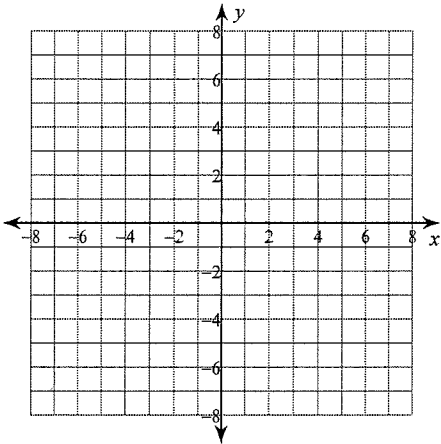
59) $(x + 1)^2 + y^2 = 35$



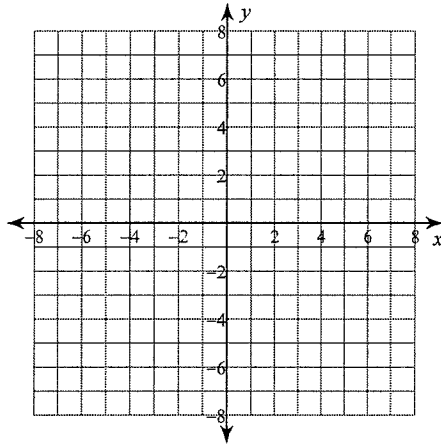
60) $(x - 1)^2 + (y + 1)^2 = 16$



61) $x^2 + (y + 2)^2 = 4$



62) $(x - 2)^2 + (y + 2)^2 = 9$



Use the information provided to write the general conic form equation of each circle.

63) $(x + 12)^2 + (y - 4)^2 = 4$

64) $(x - 4)^2 + (y - 14)^2 = 4$

65) $x^2 + (y + 10)^2 = 16$

66) $(x + 6)^2 + (y + 8)^2 = 36$