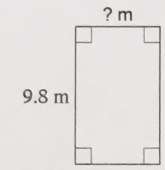
Find the missing measurement. Round your answer to the nearest tenth.

50)



Area = 58.8 m²

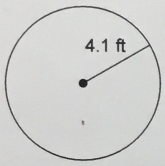
$w = \frac{A}{l}$

$w = \frac{58.8}{9.8}$

$w = 6m$

Find the DIAMETER of each circle. Round your answer to the nearest tenth.

51)



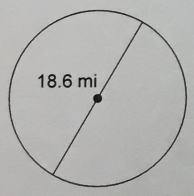
$D = 2 * r$

$D = 2 * 4.1$

$D = 8.2$ ft

Find the CIRCUMFERENCE of each circle. Use 3.14 for the value of π. Round your answer to the nearest tenth.

52)



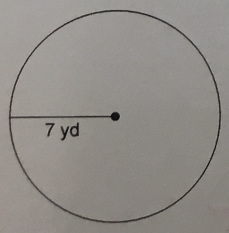
$C = \pi * D$

$C = 3.14 * 18.6$

$C = 58.404$ mi

Find the AREA of each. Use 3.14 for the value of π. Round your answer to the nearest tenth.

53)



$A = \pi * r^2$

$A = 3.14 * 7^2$

$A = 3.14 * 49$

$A = 153.86 yd^2$

Use the DISTANCE formula for the question below.

54) If a car drove at 45 mph for 2 hours, how far did it drive?

$D = r * t$
$D = 45 * 2$
$D = 90$ miles

Convert each temperature.

55) 64°F

$C = .56(F - 32)$
$C = .56(64 - 32)$
$C = .56(32)$
$C = 17.92°$

56) 44°C

$F = 1.8 * C + 32$
$F = 1.8 * 44 + 32$
$F = 79.2 + 32$
$F = 111.2°$

Use SIMPLE INTEREST to find the interest earned.

57) \$33,100 at 13% for 2 years

p = 33,100, r = .13, t = 2

$i = p * r * t$
$i = 33,100 * .13 * 2$
$i = \$8606$

Use COMPOUND INTEREST to find the ending balance.

58) \$10,800 at 14% compounded 12 times per year for 2 years

p = 10,800, r = .14, t = 2

$A = p(1 + r)^t$
$A = 10,800(1 + .14)^2$
$A = 10,800(1.14)^2$
$A = 10,800(1.3)$
$A = \$14,035.68$

Solve each equation for the indicated variable.

59) $g = c - x$, for x

$g + x = c$
$-g \quad -g$
$x = c - g$

60) $z = x + m$, for x

$z - m = x$

61) $z = mx$, for x

$\frac{z}{m} = x$

62) $z = \frac{x}{m}$, for x

$m \cdot z = x$

63) $g = y - cx$, for x

$g - y = -cx$
$\frac{g - y}{-c} = x$

64) $z = b + m - a$, for a

$-z + a = b + m$
$-z$
$a = b + m - z$

65) $ac = rd$, for a

$a = \frac{rd}{c}$

66) $k + a = v + w$, for a

$-k \quad -k$
$a = v + w - k$

-6 - -4 = 2

39) $\frac{2.8 \times 10^{-6}}{2.3 \times 10^{-4}}$

1.217×10^{2}

-4 - -3

40) $\frac{2 \times 10^{-4}}{5.3 \times 10^{-3}}$

$.377 \times 10^{-1}$

3.77×10^{-2}

Evaluate each expression.

P
E
MD
AS

41) $(6 + 2) \times 5 - (1 + 4)$

$8 \times 5 - 5$

$40 - 5 = \boxed{35}$

42) $15 \div (3 + 2 + 3 - 3)$

$15 \div (5 + 3 - 3)$

$15 \div (8 - 3)$

$15 \div 5 = \boxed{3}$

43) $2 \times 4^2 + 4 + 4$

$2 \times 16 + 4 + 4$

$32 + 4 + 4$

$36 + 4 = \boxed{40}$

44) $12 \div (3(4 - (2 + 1)))$

$12 \div (3(4 - 3))$

$12 \div (3(1))$

$12 \div 3 = \boxed{4}$

Evaluate each using the values given.

45) $p - m \div 5 - (p - p)$; use $m = 5$, and $p = 4$

$4 - 5 \div 5 - (4 - 4)$

$4 - 5 \div 5 - 0$

$4 - 1 - 0$

$3 - 0 = \boxed{3}$

46) $y \div 5 + zy \div 4$; use $y = 5$, and $z = 4$

$5 \div 5 + 4 \cdot 5 \div 4$

$1 + 4 \cdot 5 \div 4$

$1 + 20 \div 4$

$1 + 5 = \boxed{6}$

47) $y + y \times 2x \div 2$; use $x = 5$, and $y = 2$

$2 + 2 * 2 * 5 \div 2$

$2 + 4 * 5 \div 2$

$2 + 20 \div 2$

$2 + 10 = \boxed{12}$

48) $x - z \div 6 - (y - y)$; use $x = 3$, $y = 4$, and $z = 6$

$3 - 6 \div 6 - (4 - 4)$

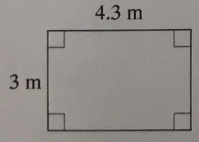
$3 - 6 \div 6 - 0$

$3 - 1 - 0$

$2 - 0 = \boxed{2}$

Find the area of each.

49)



$A = l * w$

$A = 4.3 * 3$

$A = 12.9 \text{ m}^2$