

48) $m^2 + q - p + 5$; use $m = 6$, $p = 5$, and $q = 1$

$$6^2 + 1 - 5 + 5$$

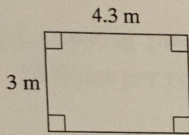
$$36 + 1 - 5 + 5$$

$$36 + 1 - 1$$

$$37 - 1 = \boxed{36}$$

Find the area of each. $A = b \cdot h$

49)



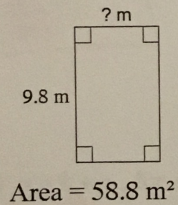
$$A = b \cdot h$$

$$A = 4.3 \cdot 3$$

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

Find the missing measurement. Round your answer to the nearest tenth. $b = \frac{A}{h}$

50)



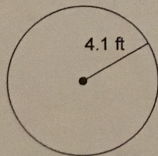
$$b = \frac{A}{h}$$

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

$$b = \boxed{6 \text{ m}}$$

Find the DIAMETER of each circle. Round your answer to the nearest tenth. $D = 2r$

51)



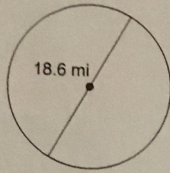
$$D = 2 \cdot r$$

$$D = 2 \cdot 4.1$$

$$D = \boxed{8.2 \text{ ft}}$$

Find the CIRCUMFERENCE of each circle. Use 3.14 for the value of π . Round your answer to the nearest tenth. $C = \pi d$

52)



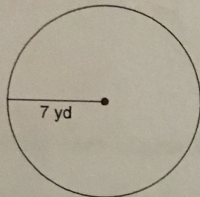
$$C = \pi * d$$

$$C = 3.14 * 18.6$$

$$C = 58.404 \text{ mi}$$

Find the AREA of each. Use 3.14 for the value of π . Round your answer to the nearest tenth. $A = \pi r^2$

53)



$$A = \pi * r^2$$

$$A = 3.14 * 7^2$$

$$A = 3.14 * 49$$

$$A = 153.86$$

Use the DISTANCE formula for the question below. $D = r \cdot t$

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

$$D = r * t$$

$$D = 45 * 2$$

$$D = 90 \text{ mi}$$

Convert each temperature.

55) 64°F

$$C = 0.56(F - 32)$$

$$C = 0.56(64 - 32)$$

$$C = 0.56(32)$$

$$C = 17.92^\circ$$

56) 44°C

$$F = 1.8C + 32$$

$$F = 1.8 * 44 + 32$$

$$F = 79.2 + 32$$

$$F = 111.2^\circ$$

Use **SIMPLE INTEREST** to find the interest earned. $i = p \cdot r \cdot t$

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

$$i = p \cdot r \cdot t$$

$$i = 33,100 \cdot 0.13 \cdot 2$$

$$i = \$8,606$$

Use **COMPOUND INTEREST** to find the ending balance. $A = p(1+r)^t$

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

$$A = 10,800(1 + 0.14)^2$$

$$A = 10,800(1.14)^2$$

$$A = 10,800(1.2996)$$

$$A = 14,035.68$$

Solve each equation for the indicated variable.

59) $z = \frac{ma}{m}$, for a

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

60) $u = \frac{a}{k}$, for a

$$k \cdot u = a$$

61) $u = k + x$, for x

$$u - k = x$$

62) $u = x + k$, for x

$$u - k = x$$

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

$$g - y = -cx$$

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

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

65) $ac = rd$, for a

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

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

$$z - b = m - a$$

$$\frac{z - b - m}{-1} = \frac{-a}{-1}$$

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

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

$$a = v + w - k$$