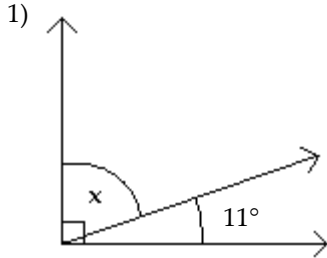


MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Find the measure of the indicated angle. Figure is not drawn to scale.

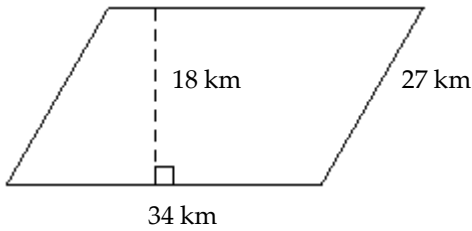


Find the measure of $\angle x$.

- A) 169° B) 134° C) 74° D) 79°

Find the area of the geometric figure.

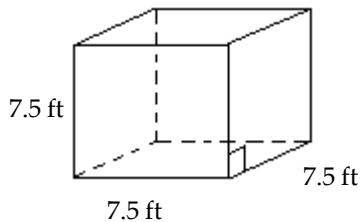
2) Parallelogram



- A) 918 sq km B) 6120 sq km C) 61 sq km D) 612 sq km

Find the volume of the solid.

3)



- A) 421.875 cu ft B) 22.5 cu ft C) 56.25 cu ft D) 112.5 cu ft

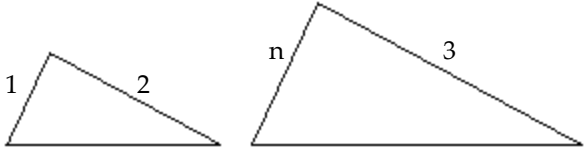
Find the square root.

4) $\sqrt{\frac{121}{324}}$

- A) $\frac{11}{19}$ B) $\frac{10}{27}$ C) $\frac{2}{3}$ D) $\frac{11}{18}$

Given that the pair of triangles is similar, find the length of the side labeled n.

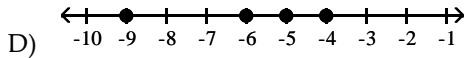
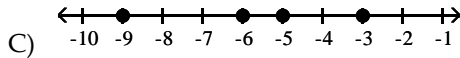
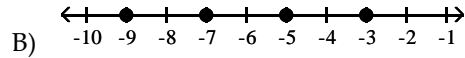
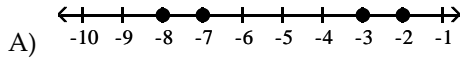
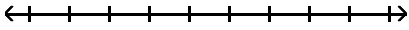
5) Round to the nearest tenth, if necessary.



- A) 0.7 B) 0.6 C) 6 D) 1.5

Graph the signed numbers in the list on a number line.

6) -9, -7, -5, -3

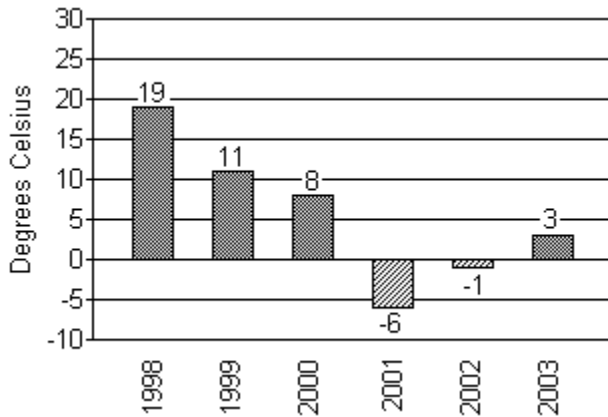


Simplify.

7) $-12 + 19 - 2$

- A) -29 B) -5 C) 9 D) 5

The bar graph below shows the temperatures recorded as the high temperature in Little City on Brianna's birthday for the indicated years.



8) In which year was the recorded temperature the second lowest?

- A) 1999 B) 2002 C) 2001 D) 2000

Solve.

9) City A has an elevation of 15,335 feet above sea level while city B has an elevation of 19,020 feet below sea level. Find the difference in elevation between those two cities.

- A) 34,455 ft B) 3785 ft C) 34,355 ft D) 3685 ft

Divide.

10) $-168 \div (-7)$

- A) $\frac{1}{24}$ B) -24 C) 14 D) 24

Evaluate the expression for the given replacement values.

11) $x - y + z$ for $x = 19, y = 9, z = 1$

A) 9

B) 12

C) 11

D) 29

Solve.

12) $-5 - 24 = m - 6$

A) -23

B) 23

C) 35

D) -35

Solve. First combine any like terms on each side of the equation.

13) $9y - y = -24$

A) 3

B) -3

C) 9

D) -9

Solve the equation.

14) $1 - 6x = -29$

A) -24

B) 3

C) 5

D) -20

Write the sentence as an equation. Use x to represent "a number."

15) Three times a number is equal to -33.

A) $3x = -33$

B) $x^3 = -33$

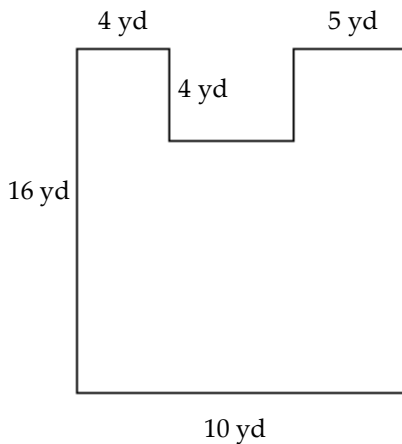
C) $3 + x = -33$

D) $\frac{3}{x} = -33$

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

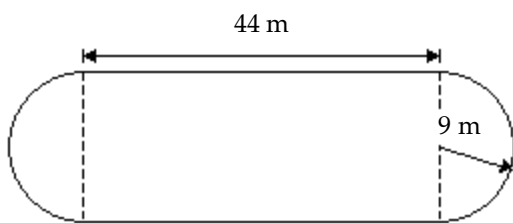
Find the area of the geometric figure.

16)



Solve.

- 17) Find the perimeter. Approximate the result to the nearest tenth using 3.14 for π .



Simplify.

18)
$$\frac{|5 - 7| + \sqrt{49}}{-4(5) - (-8)}$$

Solve.

- 19) Meredith got a monthly cable bill for a base rate of \$18.50, an additional \$5.00 for a package of movie channels, a charge of \$2.35 for taxes, and a credit of \$14.20 to make up for a billing error the previous month. How much was the cable bill?

20) In accounting, a company's annual net income, I , can be computed using the relation $I = R - E$, where R is the total revenue for the year and E is the total of expenses for the year. At the end of its fiscal year, a corporation had a net income of \$49,000,000. During the year, the corporation incurred a total of \$775,000,000 in expenses. What was the corporation's total revenue for the year?