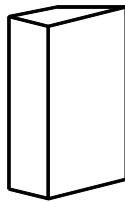
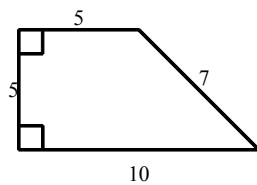
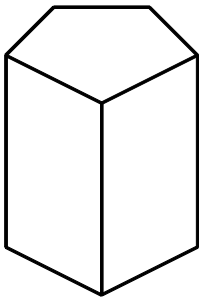


- During the sale, the price of the video camera was marked down 16 percent. The sale price of the video camera was \$950. What was the original price of the video camera?
- A ski club planned a trip to Lake Tahoe, and 48 of the members signed up. If 70% of the members did not sign up, how many members does the club have?
- Solve the system by substitution:
 $4x + y = -28$
 $-5x - 8y = 8$
- Solve the system by substitution:
 $x + 2y = -5$
 $5x - y = 19$
- A base of a right prism whose height is 11 yards is the trapezoid shown. Find the surface area of the prism. Dimensions are in yards.



- The area of a base of a right pentagonal prism is 139 yd^2 and the length of a lateral edge is 18 yd. Find the volume of the right pentagonal prism.



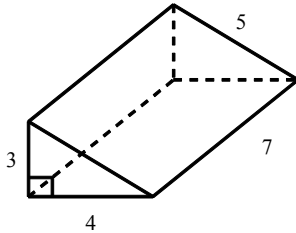
- Given the sets $A = \{1, 2, 3\}$, $B = \{0, 1, 2, 3, \dots\}$, and $C = \{0, 1, 2\}$, tell which of the following statements are true and which are false.
 - $5 \in B$
 - $C \subset A$
 - $C \not\subset B$
 - $A \not\subset C$
- Tell whether each of the following statements is true or false:
 - $\{\text{Reals}\} \subset \{\text{Integers}\}$
 - $\{\text{Wholes}\} \subset \{\text{Naturals}\}$
- Evaluate. Do not use a calculator. $\sqrt{16} - \sqrt{81} + \sqrt{49} + \sqrt{144}$

10. Simplify: $-6\left\{\left[(-5-4)-(-6^0-5)-2\right]-3\right\}\pm\sqrt{9}$

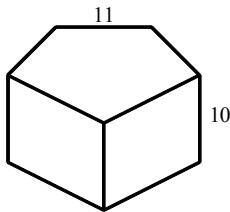
11. Indicate whether each of the following numbers is a rational or an irrational number.

- (a) $\sqrt{3+5}$ (b) $6\sqrt{7}$ (c) $\frac{5}{6}$ (d) $4\sqrt{12}$

12. Find the volume and the total surface area of the right triangular prism. Dimensions are in centimeters.



13. Find the lateral surface area of this right prism whose bases are regular pentagons. Dimensions are in feet.



14. The experimental drug caused side effects in 19% of those who took it. If 893 experienced side effects, how many people took the experimental drug?

15. The advertisement of the super blow-out sale caused the number of shoppers to increase by 250 percent. If 410 shoppers were there before the advertisement, how many were there after the advertisement?