

**Geometry**  
**Assignment 1.1**

Name: \_\_\_\_\_

1. 1 foot (ft) = \_\_\_\_\_ inches (in)
2. 1 centimeter (cm) = \_\_\_\_\_ millimeters (mm)
3. 1 yard (yd) = \_\_\_\_\_ feet (ft)
4. 1 meter (m) = \_\_\_\_\_ centimeters (cm)
5. 1 mile (mi) = \_\_\_\_\_ feet (ft)
6. 1 kilometer (km) = \_\_\_\_\_ meters (m)
7. The distance around a two-dimensional object is called the \_\_\_\_\_.
8. A quantity that is measured in square units and expresses the size of a surface is called \_\_\_\_\_.
9. The formula for the area of a square or rectangle is \_\_\_\_\_ or \_\_\_\_\_.
10. The height of a triangle is always \_\_\_\_\_ to its base
11. The formula for the area of a triangle is \_\_\_\_\_ or \_\_\_\_\_.

Draw a segment with the indicated length.

12.  $1\frac{1}{4}$  in.
13.  $\frac{7}{8}$  in.
14.  $\frac{9}{16}$  in.

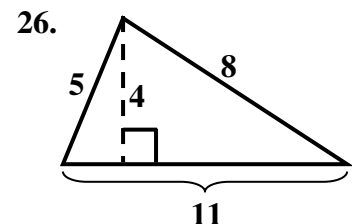
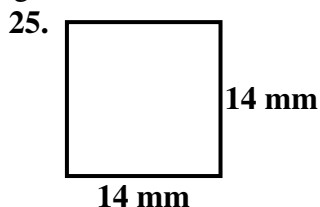
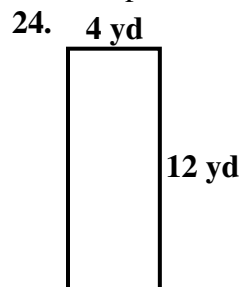
15. 3 cm
16. 2.3 cm
17. 28 mm

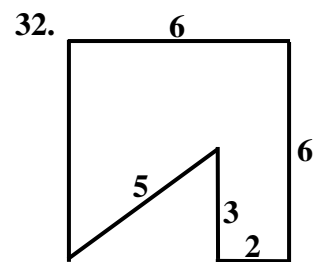
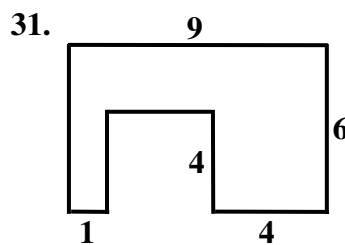
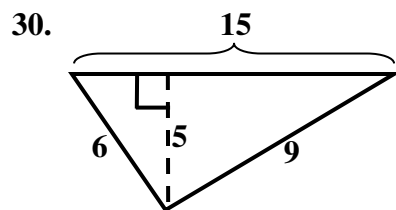
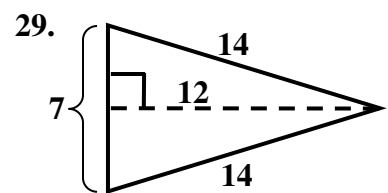
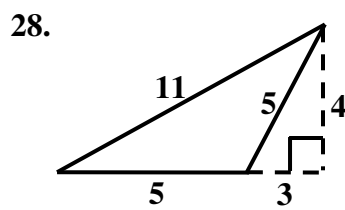
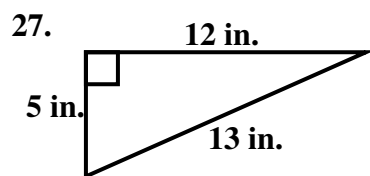
Complete the conversion.

18. 6 ft = \_\_\_\_\_ yd
19. 96 in. = \_\_\_\_\_ ft
20. 2 mi = \_\_\_\_\_ ft

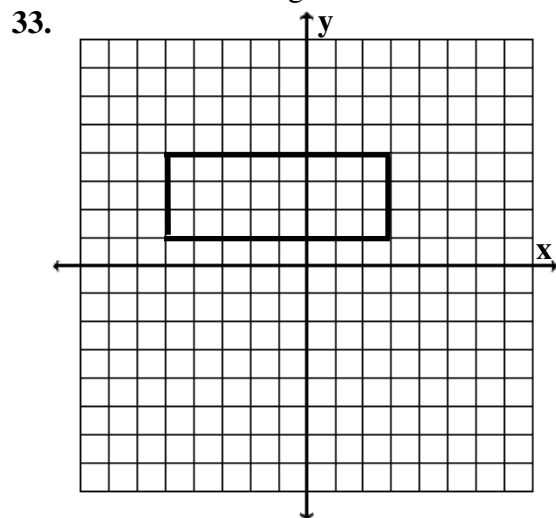
21. 10 ft = \_\_\_\_\_ yd
22. 330 cm = \_\_\_\_\_ m
23. 2 mi = \_\_\_\_\_ yd

Find the perimeter and area of the figure.





Find the area of the figure on the coordinate plane.



34. A sewing club is making a quilt consisting of 25 squares with each side of the square 30 centimeters. If the quilt has five rows and five columns, what is the perimeter of the quilt?

### Answer Key:

- 1) 12    2) 10    3) 3    4) 100    5) 5,280    6) 1,000    7) perimeter    8) area    9)  $A = bh$  or  $A = \ell w$   
 10) perpendicular    11)  $A = \frac{1}{2}bh$  or  $A = \frac{bh}{2}$     12-17) Ask Teacher to Check    18) 2 yd    19) 8 ft  
 20) 10,560 ft    21)  $3\frac{1}{3}$  or  $3.\bar{3}$  yd    22)  $3\frac{3}{10}$  or 3.3 m    23) 3,520 yd    24)  $P = 32$  yd,  $A = 48$  yd<sup>2</sup>  
 25)  $P = 56$  mm,  $A = 196$  mm<sup>2</sup>    26)  $P = 24$  units,  $A = 22$  units<sup>2</sup>    27)  $P = 30$  in.,  $A = 30$  in.<sup>2</sup>  
 28)  $P = 21$  units,  $A = 10$  units<sup>2</sup>    29)  $P = 35$  units,  $A = 42$  units<sup>2</sup>    30)  $P = 30$  units,  $A = \frac{75}{2}$  or 37.5 units<sup>2</sup>  
 31)  $P = 38$  units,  $A = 38$  units<sup>2</sup>    32)  $P = 28$  units,  $A = 30$  units<sup>2</sup>    33)  $A = 24$  units<sup>2</sup>    34)  $P = 600$  cm