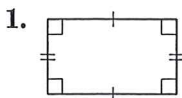


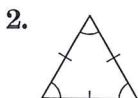
1-6 Skills Practice

Polygons

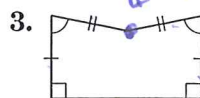
Name each polygon by its number of sides and then classify it as *convex* or *concave* and *regular* or *irregular*.



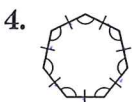
Quadrilateral; convex
irregular



Triangle convex
regular



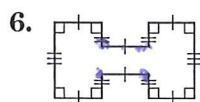
Pentagon concave
irregular



heptagon; convex
regular

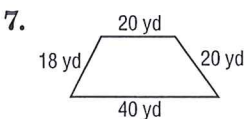


Quadrilateral; convex
irregular

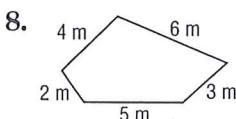


dodecagon
concave; irregular

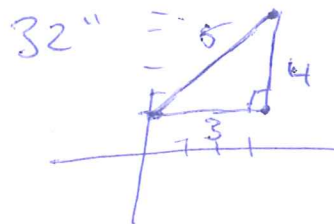
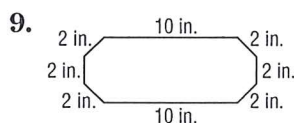
Find the perimeter of each figure.



98 yds



20 m



COORDINATE GEOMETRY Find the perimeter of each polygon.

10. triangle ABC with vertices $A(3, 5)$, $B(3, 1)$, and $C(0, 1)$

12 units

11. quadrilateral $QRST$ with vertices $Q(-3, 2)$, $R(1, 2)$, $S(1, -4)$, and $T(-3, -4)$

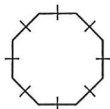
20 units

12. quadrilateral $LMNO$ with vertices $L(-1, 4)$, $M(3, 4)$, $N(2, 1)$, and $O(-2, 1)$

14.2 units

ALGEBRA Find the length of each side of the polygon for the given perimeter.

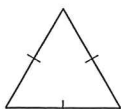
13. $P = 104$ millimeters



$$\frac{104}{8} =$$

13 mil

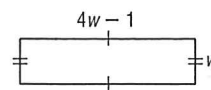
14. $P = 84$ kilometers



$$\frac{84}{3} =$$

28 Kilometers

15. $P = 88$ feet



$$w + w + 4w - 1 + 4w - 1 = 88$$

$$10w - 2 = 88$$

$$10w = 90$$

$$w = 9 \text{ ft}$$