1. Find the perimeter and the area of a rectangle with sides 2.5 ft. and 6 ft.

2. Find the perimeter and the area of the triangle below.

3. Find the exact circumference and area for a circle with diameter \( d = 10 \text{ cm} \)

4. Find the perimeter and area of the parallelogram below.

5. A right triangle has hypotenuse 10 meters and one leg 6 meters. Find the length of the other leg.

6. Solve for \( x \) using similar triangles.

7. On the number line, find the distance from -6 to 5.
8. Draw a sketch to help find the coordinate of the point on the number line halfway between -9 and 3.

9. In what quadrant is the point \((a,b)\) if \(a<0\) and \(b>0\)

10. Given that \(A\) is the point \((0,4)\) and \(B\) is the point \((3,0)\)
    a) Find the area of the triangle formed by \(A\), \(B\) and the origin
    b) Find the length of the line from \(A\) to \(B\)

ANSWERS

TOPIC 6: Geometry

1. Perimeter: 17 ft
   Area: 15 sq ft
2. Perimeter: 12
   Area: 6
3. Circumference: \(10\pi\) cm
   Area: \(25\pi\) sq cm
4. Perimeter: 28
   Area: 30
5. 8 meters
6. \(EC = 15\)
7. 11
8. -3
9. quadrant II
10. a) 6     b) 5

For more examples, click here