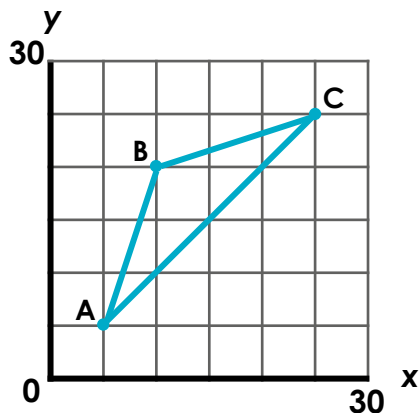
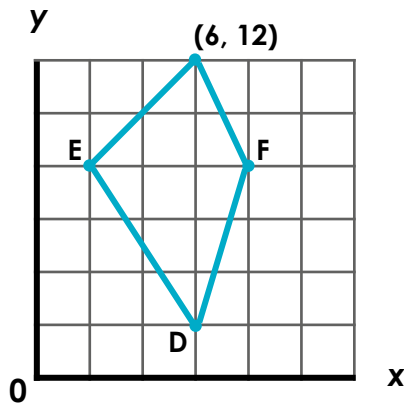


Problem Solving with Coordinates

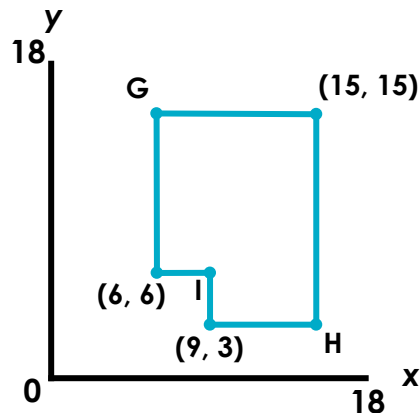
1. Write the coordinates of the points.



A = (,)
 B = (,)
 C = (,)



D = (,)
 E = (,)
 F = (,)

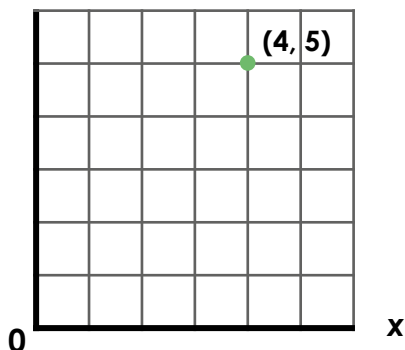


G = (,)
 H = (,)
 I = (,)

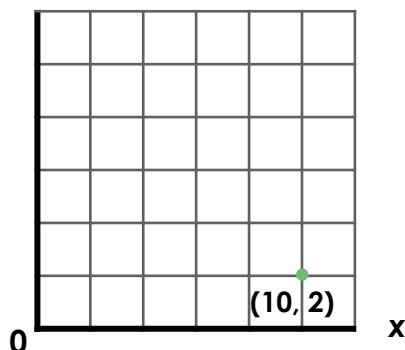
VF

2. Use the area and the coordinate given to find the coordinates of the other three vertices in each square.

area of square A =
 9 squares



area of square B =
 16 squares

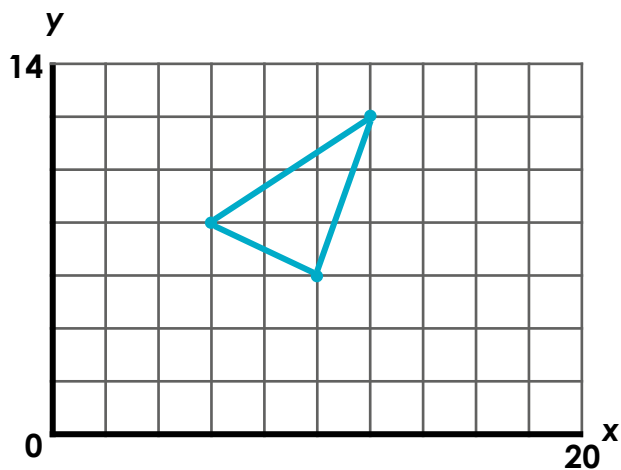


VF

3. Write a rule to explain what would happen to the coordinates of the vertices if the shape was translated...

a) 2 down and 4 right.

b) 1 up and 3 left.



RPS

Problem Solving with Coordinates

1. $A = (5, 5)$ $D = (6, 2)$ $G = (6, 15)$
 $B = (10, 20)$ $E = (2, 8)$ $H = (15, 3)$
 $C = (25, 25)$ $F = (8, 8)$ $I = (9, 6)$

2.

square A: $(1, 5)$, $(1, 2)$, $(4, 2)$

square B: $(2, 10)$, $(2, 2)$, $(10, 10)$

3.

a) The x coordinates will increase by 8 and the y coordinates will decrease by 4.

b) The x coordinates will decrease by 6 and the y coordinates will increase by 2.