

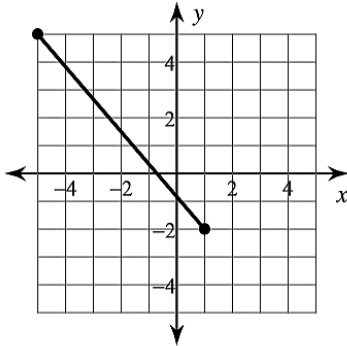
Unit 5 Connections to Algebra

Distance Formula and Its applications

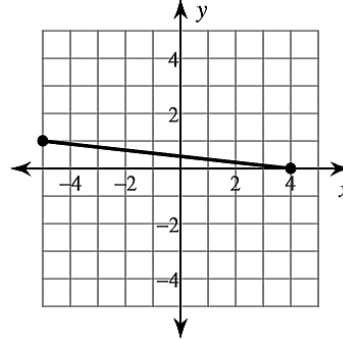
$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

Find the distance between each pair of points.

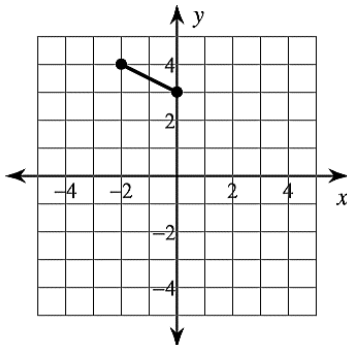
1.



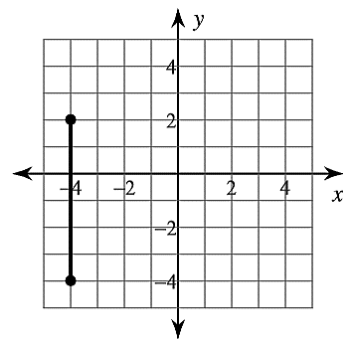
2.



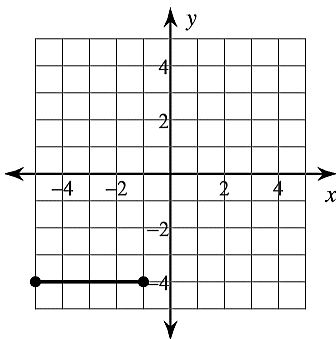
3.



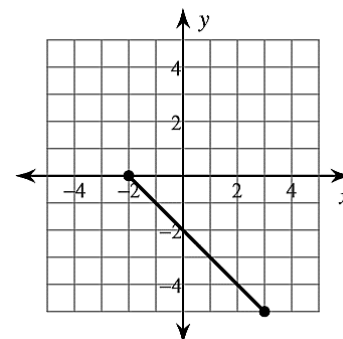
4.



5.



6.



7. $(5, 9), (-7, -7)$

8. $(-6, -10), (-2, -10)$

9. $(3, 8), (9, 10)$

10. $(10, 1), (9, -4)$

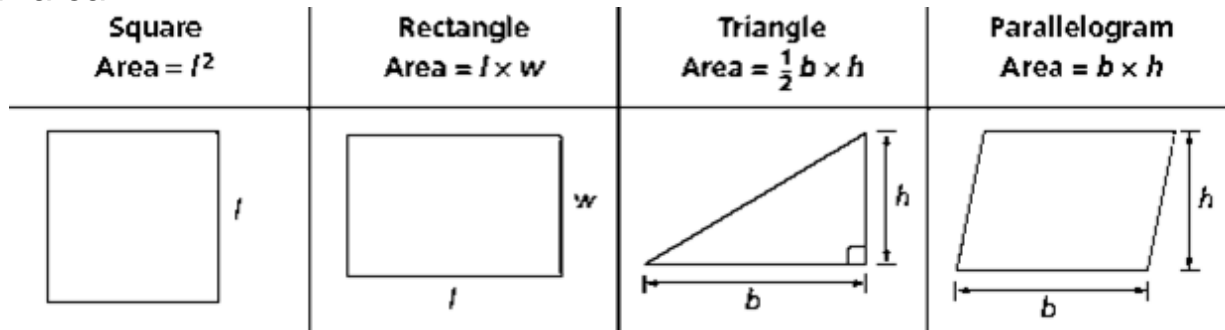
11. $(-5, 6), (8, -4)$

12. $(-8, 10), (-6, 7)$

Unit 5 Connections to Algebra

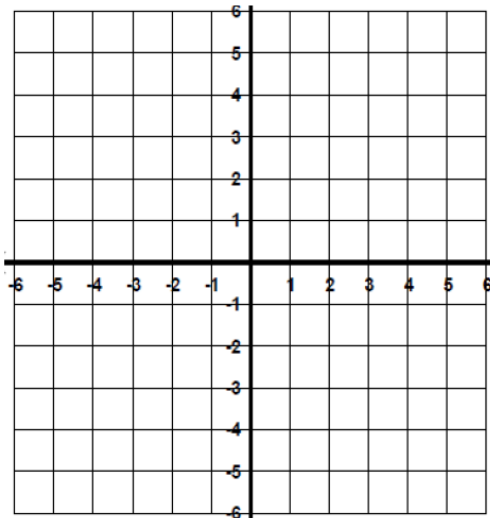
Practice Calculating Perimeter and Area

Recall area.



Find the perimeter and area of the given figures.

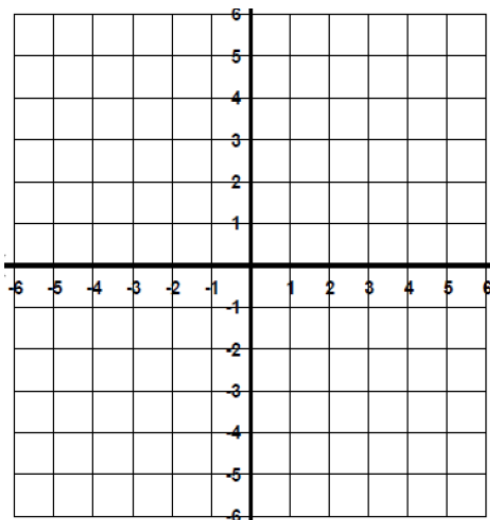
1. $A(-5,2)$, $B(-5,4)$, $C(4,4)$, and $D(4,2)$



a) Perimeter =

b) Area =

2. $A(-2,2)$, $B(4,0)$, $C(-3,-1)$, and $D(3,-3)$



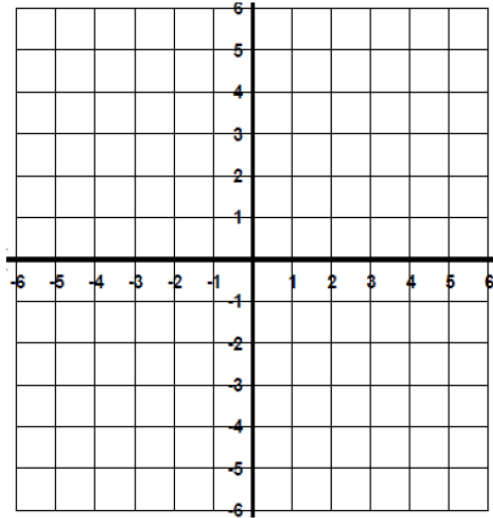
a) Perimeter =

b) Area =

Name:

Block:

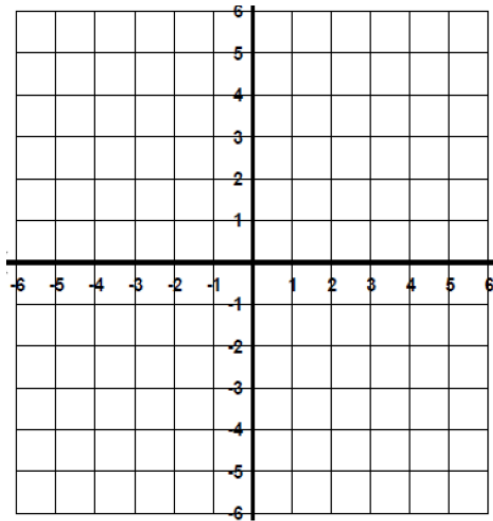
3. $A(-4,2)$, $B(-4,-4)$, and $C(2,-4)$



a) Perimeter =

b) Area =

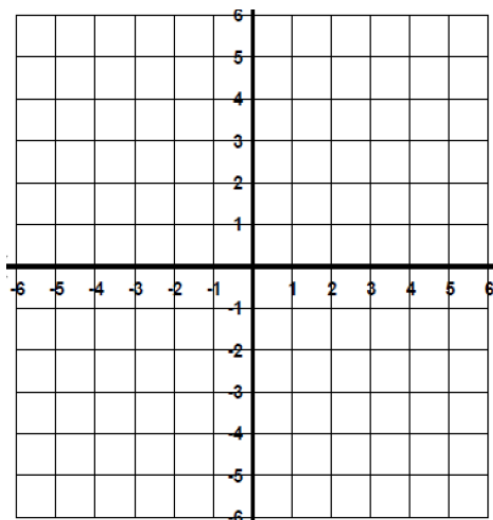
4. $A(-2,5)$, $B(3,1)$, and $C(3,5)$



a) Perimeter =

b) Area =

5. $A(-1,1)$, $B(4,1)$, $C(4,6)$, and $D(-1,6)$



a) Perimeter =

b) Area =

Name:

Block: