

# Math 6 - Unit 7: Rational Explorations

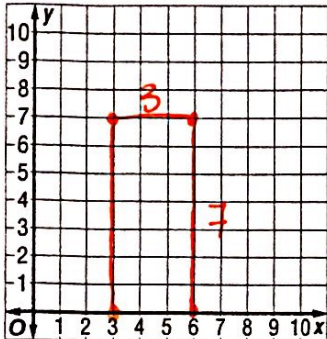
Graphing Rectangles to find Area and Perimeter (FRONT)

Name: KEY

Class Period: 1 2 3 4 Date: \_\_\_\_\_

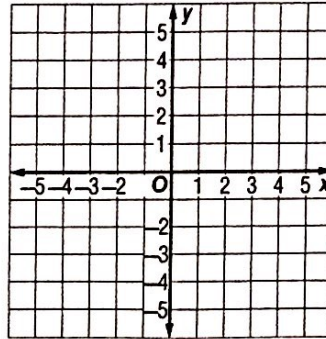
Graph each rectangle with the given vertices. Then find the area and perimeter of each rectangle.

1. H(3, 0), I(3, 7), J(6, 7), K(6, 0)



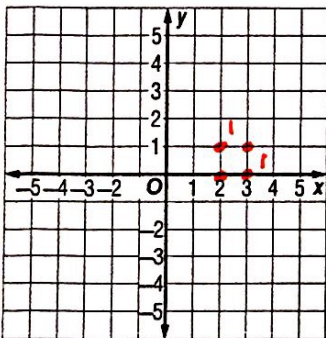
Area:  $A = b \cdot h$   $A = 3 \cdot 7$   $A = 21 \text{ units}^2$   
 Perimeter:  $p = (3+7)2 = 10 \cdot 2 = 20 \text{ units}$

2. L(-3, -2), M(-3, 2), N(2, 2), O(2, -2)



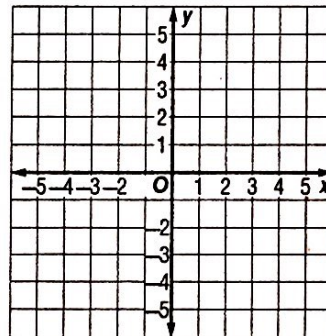
Area: \_\_\_\_\_  
 Perimeter: \_\_\_\_\_

3. A(2,1), B(2,0), C(3,1), D(3,0)



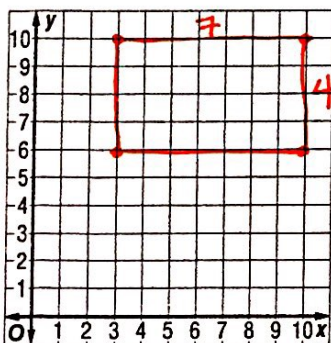
Area:  $A = b \cdot h$   $A = 1 \cdot 1$   $A = 1 \text{ unit}^2$   
 Perimeter:  $p = (1+1)2 = 2 \cdot 2 = 4 \text{ units}$

4. E(-2, 1), C(-5, 1), M(-2, 5), S(-5, 5)



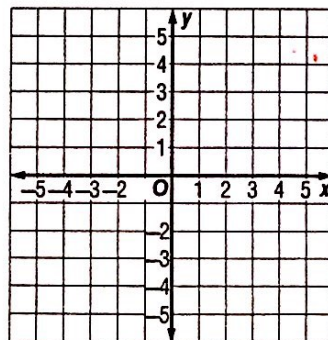
Area: \_\_\_\_\_  
 Perimeter: \_\_\_\_\_

5. N(3,6), O(3,10), R(10,10), A(10,6)



Area:  $A = b \cdot h$   $A = 7 \cdot 4$   $A = 28 \text{ units}^2$   
 Perimeter:  $p = (4+7)2 = 11 \cdot 2 = 22 \text{ units}$

6. K(-1,-2), A(-1, 2), T(3, 2), Z(3, -2)



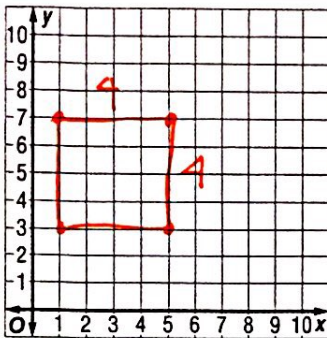
Area: \_\_\_\_\_  
 Perimeter: \_\_\_\_\_

# Math 6 - Unit 7: Rational Explorations

Graphing Rectangles to find Area and Perimeter (BACK)

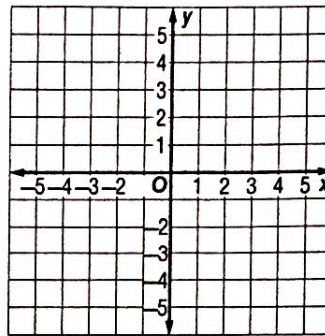
Graph each rectangle with the given vertices. Then find the area and perimeter of each rectangle.

7. A(1, 7), L(1, 3), E(5, 7), X(5, 3)



Area:  $A = b \cdot h$   $A = 4 \cdot 4$   $A = 16 \text{ units}^2$   
 Perimeter:  $p = (4+4)2 = 8 \cdot 2 = 16 \text{ units}$

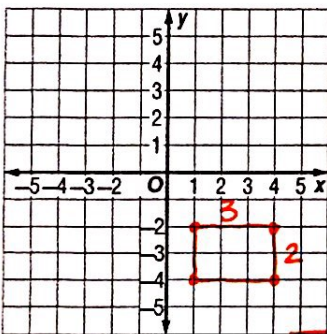
8. J(0, 0), H(0, 3), O(-4, 0), N(-4, 3)



Area: \_\_\_\_\_

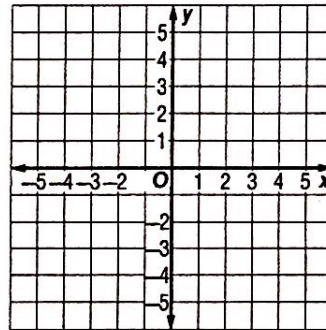
Perimeter: \_\_\_\_\_

9. A(1, -2), B(1, -4), C(4, -2), D(4, -4)



Area:  $A = b \cdot h = 3 \cdot 2 = 6 \text{ units}^2$   
 Perimeter:  $p = (3+2)2 = 5 \cdot 2 = 10 \text{ units}$

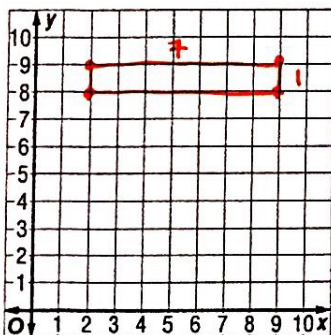
10. E(-5, 5), C(5, 5), M(-5, -5), S(5, -5)



Area: \_\_\_\_\_

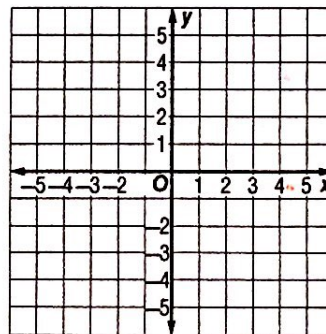
Perimeter: \_\_\_\_\_

11. J(2, 8), U(2, 9), A(9, 8), N(9, 9)



Area:  $A = b \cdot h$   $A = (7)(1) = 7 \text{ units}^2$   
 Perimeter:  $p = (7+1)2 = 8 \cdot 2 = 16 \text{ units}$

12. F(-4, 2), U(-4, 4), N(3, -2) \*\*Yes, this is a triangle!



Area: \_\_\_\_\_

Perimeter: \_\_\_\_\_