

Math 6 - Unit 7: Rational Explorations

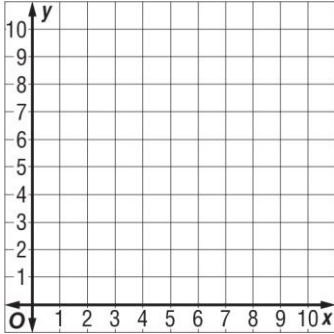
Graphing Rectangles to find Area and Perimeter (FRONT)

Name: _____

Class Period: 1 2 3 4 Date: _____

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

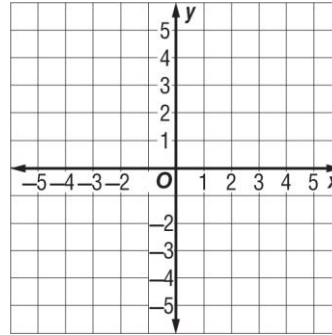
1. $H(3, 0)$, $I(3, 7)$, $J(6, 7)$, $K(6, 0)$



Area: _____

Perimeter: _____

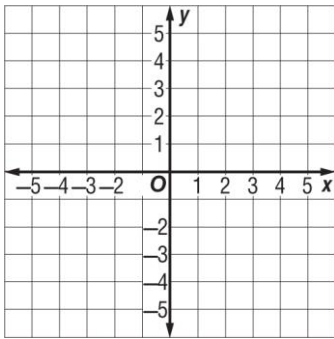
2. $L(-3, -2)$, $M(-3, 2)$, $N(2, 2)$, $O(2, -2)$



Area: _____

Perimeter: _____

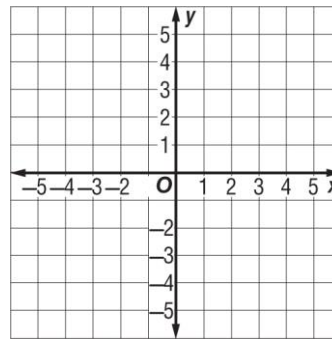
3. $A(2, 1)$, $B(2, 0)$, $C(3, 1)$, $D(3, 0)$



Area: _____

Perimeter: _____

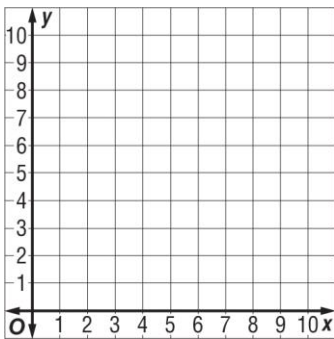
4. $E(-2, 1)$, $C(-5, 1)$, $M(-2, 5)$, $S(-5, 5)$



Area: _____

Perimeter: _____

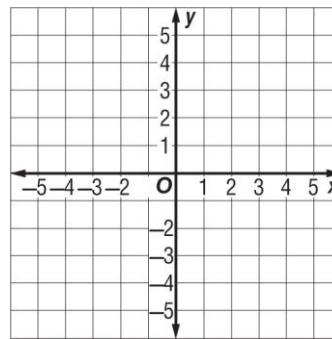
5. $N(3, 6)$, $O(3, 10)$, $R(10, 10)$, $A(10, 6)$



Area: _____

Perimeter: _____

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



Area: _____

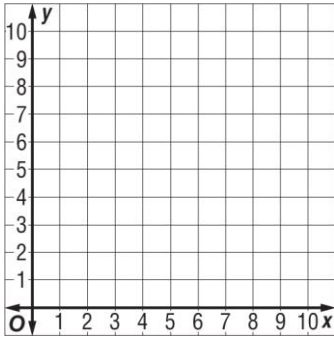
Perimeter: _____

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.

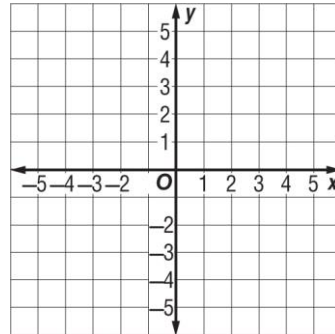
7. $A(1, 7), L(1, 3), E(5, 7), X(5, 3)$



Area: _____

Perimeter: _____

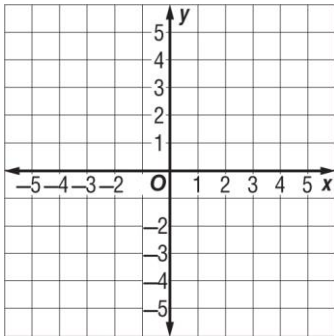
8. $J(0, 0), H(0, 3), O(-4, 0), N(-4, 3)$



Area: _____

Perimeter: _____

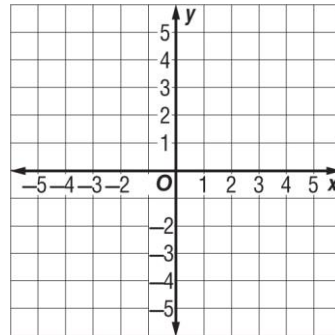
9. $A(1, -2), B(1, -4), C(4, -2), D(4, -4)$



Area: _____

Perimeter: _____

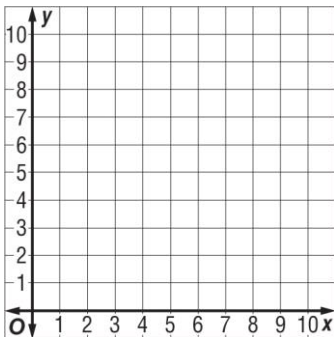
10. $E(-5, 5), C(5, 5), M(-5, -5), S(5, -5)$



Area: _____

Perimeter: _____

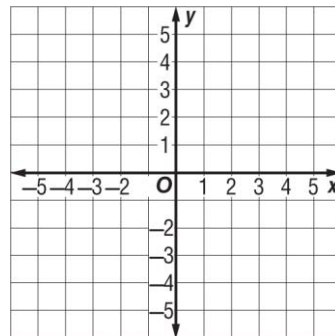
11. $J(2, 8), U(2, 9), A(9, 8), N(9, 9)$



Area: _____

Perimeter: _____

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



Area: _____

Math 6 - Unit 7: Rational Explorations

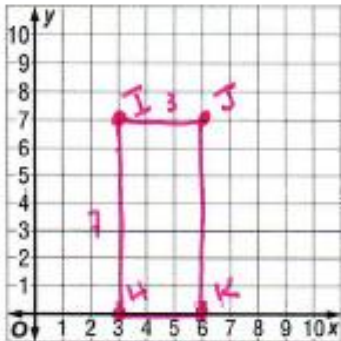
Graphing Rectangles to find Area and Perimeter (FRONT)

Name: _____

Class Period: 1 2 3 4 Date: _____

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

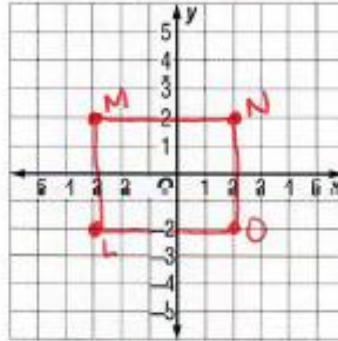
1. H(3, 0), I(3, 7), J(6, 7), K(6, 0)



Area: $bh = 7 \cdot 3 = 21 \text{ units}^2$

Perimeter: $7 + 3 + 7 + 3 = 20 \text{ units}$

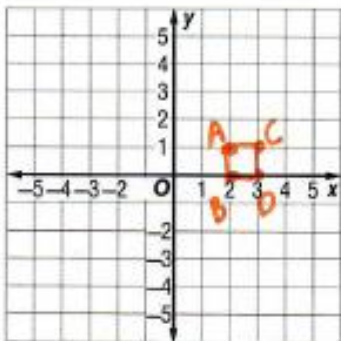
2. L(3, 2), M(3, 5), N(2, 5), O(2, 2)



Area: $bh = 5 \cdot 4 = 20 \text{ units}^2$

Perimeter: $5 + 4 + 5 + 4 = 18 \text{ units}$

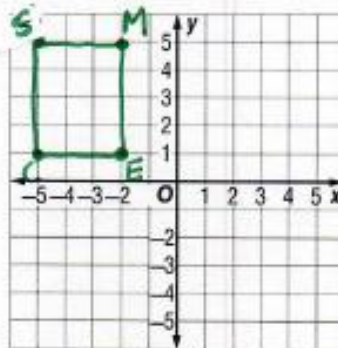
3. A(2,1), B(2,0), C(3,1), D(3,0)



Area: $bh = 1 \cdot 1 = 1 \text{ units}^2$

Perimeter: $1 + 1 + 1 + 1 = 4 \text{ units}$

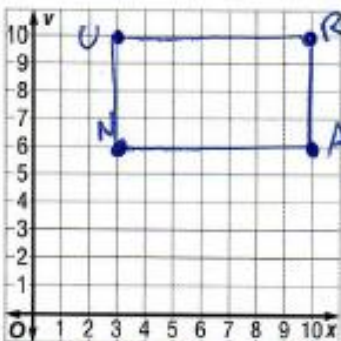
4. E(-2, 1), C(-5, 1), M(-2, 5), S(-5, 5)



Area: $bh = 3 \cdot 4 = 12 \text{ units}^2$

Perimeter: $3 + 4 + 3 + 4 = 14 \text{ units}$

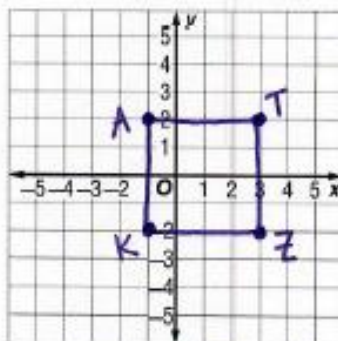
5. N(3,6), O(3,10), R(10,10), A(10,6)



Area: $bh = 7 \cdot 4 = 28 \text{ units}^2$

Perimeter: $7 + 4 + 7 + 4 = 22 \text{ units}$

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



Area: $bh = 4 \cdot 4 = 16 \text{ units}^2$

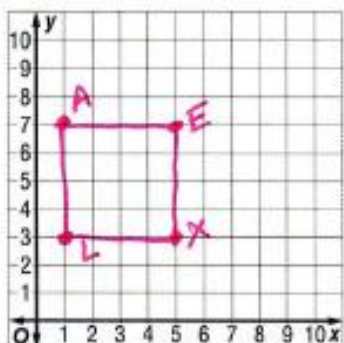
Perimeter: $4 + 4 + 4 + 4 = 16 \text{ units}$

Math 6 - Unit 7: Rational Explorations

Graphing Rectangles to find Area and Perimeter (BACK)

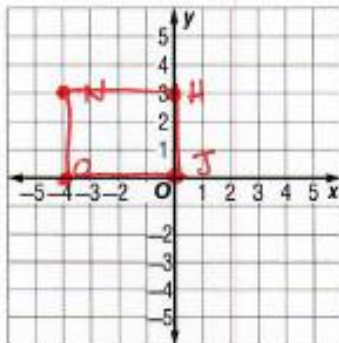
Graph each rectangle with the given vertices. Then find the area and perimeter of each rectangle.

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



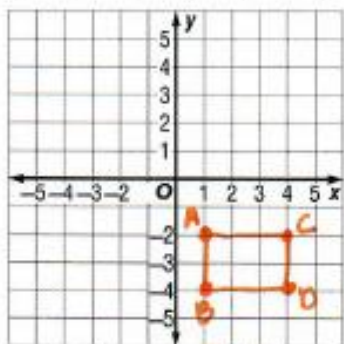
Area: $bh = 4 \cdot 4 = 16 \text{ units}^2$
Perimeter: $4+4+4+4 = 16 \text{ units}$

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



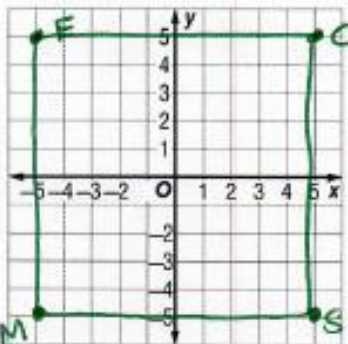
Area: $bh = 4 \cdot 3 = 12 \text{ units}^2$
Perimeter: $4+3+4+3 = 14 \text{ units}$

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



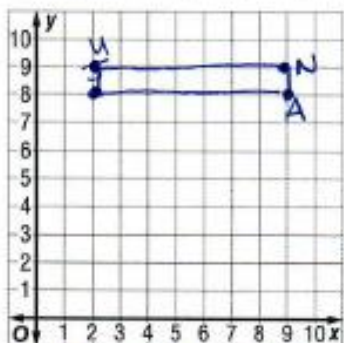
Area: $bh = 3 \cdot 2 = 6 \text{ units}^2$
Perimeter: $3+2+3+2 = 10 \text{ units}$

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



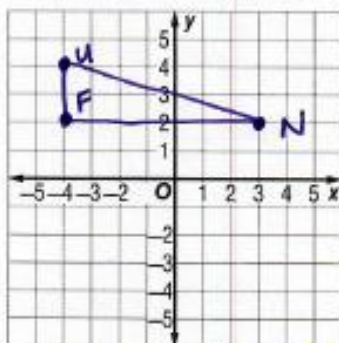
Area: $bh = 10 \cdot 10 = 100 \text{ units}^2$
Perimeter: $10+10+10+10 = 40 \text{ units}$

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



Area: $bh = 7 \cdot 1 = 7 \text{ units}^2$
Perimeter: $7+1+7+1 = 16 \text{ units}$

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



Area: $\frac{1}{2}bh = \frac{1}{2}(7)(2) = 7 \text{ units}^2$