

Give the coordinates of the point.

1. A (6, -2)

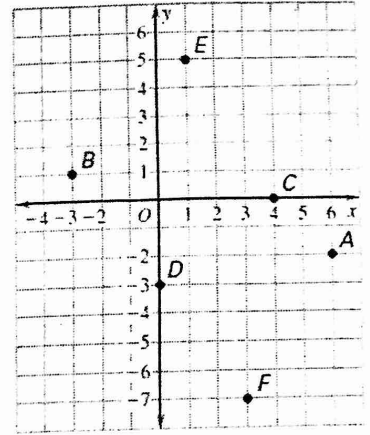
2. D (0, -3)

3. B (-3, 1)

4. E (1, 5)

5. C (4, 0)

6. F (3, -7)



* Must have parentheses!

Plot the point in a coordinate plane and describe its location.

7. (-5, 3) A

quadrant II

8. (1, -4) B

quadrant IV

9. (0, -1) C

y-axis

10. (3, 7) D

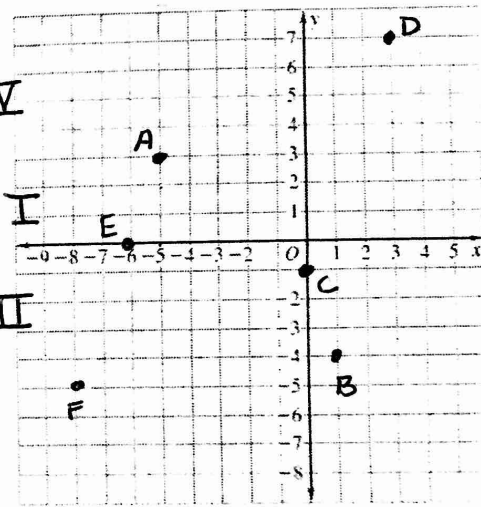
quadrant I

11. (-6, 0) E

x-axis

12. (-8, -5) F

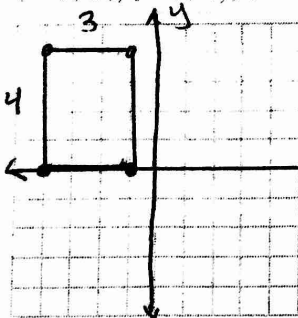
quadrant III



* I labeled my points to make it easier to see → you don't have too!

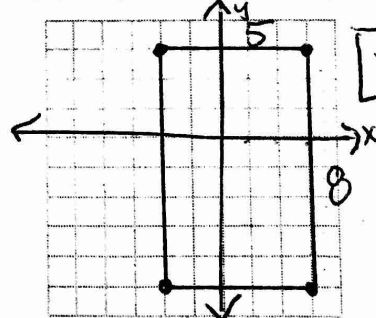
Plot and connect the given points. Then identify the resulting figure and find its perimeter.

13. (-1, 0), (-1, 4), (-4, 4), (-4, 0)



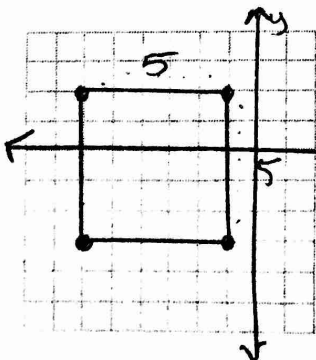
Rectangle
Perimeter = 14 units

14. (3, -5), (3, 3), (-2, 3), (-2, -5)



rectangle
Perimeter = 26 units

15. (-6, -3), (-6, 2), (-1, 2), (-1, -3)



rectangle
Square
Perimeter = 20 units

* Perimeter \rightarrow add 4 sides

* Area = $b \cdot h$

HW WS: The Coordinate Plane

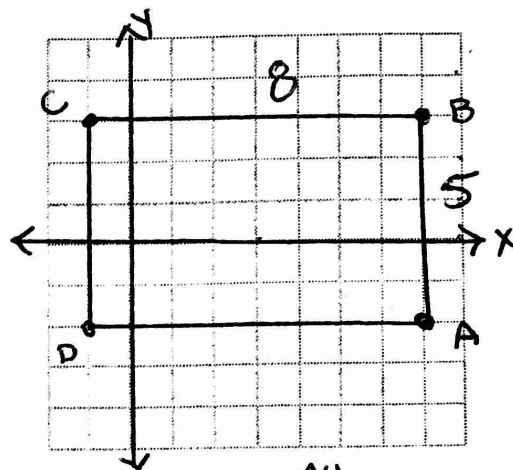
Name: _____

In Exercises 18–20, plot and connect the points. Find the perimeter and the area of the rectangle formed.

18. $A(7, -2)$, $B(7, 3)$, $C(-1, 3)$, $D(-1, -2)$

$$\text{Perimeter} = 26 \text{ units}$$

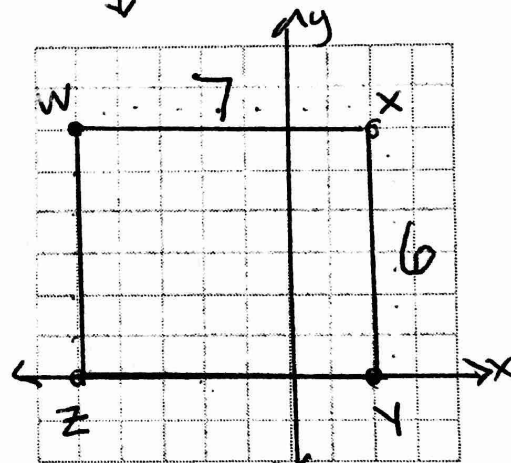
$$\text{Area} = 40 \text{ units}^2$$



19. $W(-5, 6)$, $X(2, 6)$, $Y(2, 0)$, $Z(-5, 0)$

$$\text{Perimeter} = 26 \text{ units}$$

$$\text{Area} = 42 \text{ units}^2$$



20. $J(0, 0)$, $K(0, -5)$, $L(-6, -5)$, $M(-6, 0)$

$$\text{Perimeter} = 22 \text{ units}$$

$$\text{Area} = 30 \text{ units}^2$$

