Name_____ Date_____
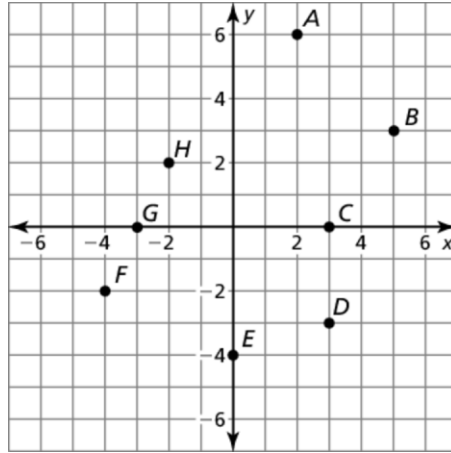
Maintaining Mathematical Proficiency

1 – 6: Use the graph to answer the question. Use correct notation, (x, y).

1. What ordered pair corresponds to point *A*? _____

2. What ordered pair corresponds to point *H*? _____

3. What ordered pair corresponds to point *E*? _____

4. Which point is located in Quadrant III? _____

5. Which point is located in Quadrant IV? _____

6. Which point is located on the negative *x*-axis? _____

7 – 12: Solve the equation for *y*. Show all work for full credit.

7. $x - y = -12$

8. $8x + 4y = 16$

9. $3x - 5y + 15 = 0$

10. $0 = 3y - 6x + 12$

11. $y - 2 = 3x + 4y$

12. $6y + 3 - 2x = x$

13. Rectangle *ABCD* has vertices $A(4, -2)$, $B(4, 5)$, and $C(7, 5)$. What are the coordinates of vertex *D*?