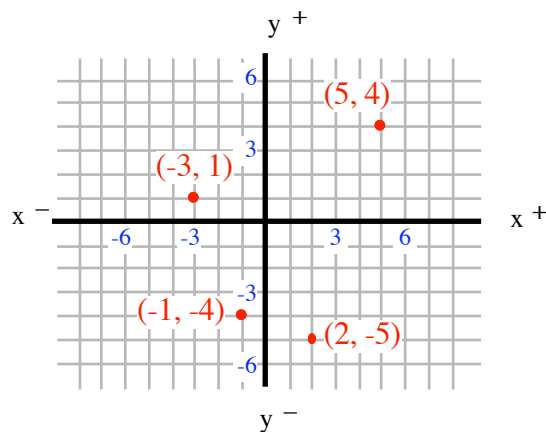


## Section 8.1 Focus Exercise Answers

1. a)  $20 - 10 = 10$  **True**      b)  $-10 - 0 = 10$  **False**      c)  $0 + 10 = 10$  **True**  
**Yes**, (10, 2) is a solution.      **No**, (-5, 0) is *not* a solution.      **Yes**, (0, -2) is a solution.

2. a)  $0 = 9 - 4$  **False**      b)  $-1 = 3 - 4$  **True**      c)  $-4 = 0 - 4$  **True**  
**No**, (6, 0) is a *not* solution.      **Yes**, (2, -1) is a solution.      **Yes**, (0, -4) is a solution.

3.

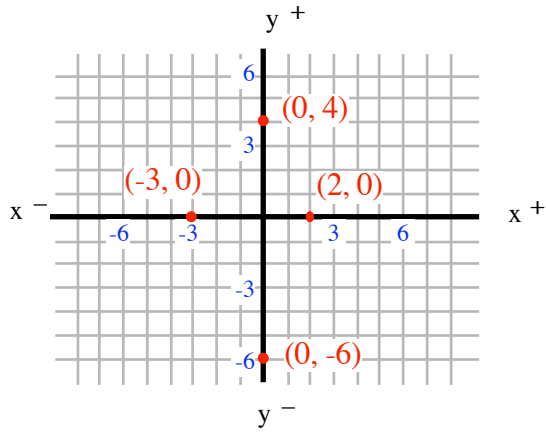


4. a) (3, 3)      b) (1, 5)      c) (-6, 5)      d) (-3, 2)  
 e) (-7, -3)      f) (-1, -1)      g) (4, -4)      h) (5, -1)

5. a) Quadrant IV      b) Quadrant III      c) Quadrant II      d) Quadrant I  
 e) Quadrant III      f) Quadrant II      g) Quadrant IV      h) Quadrant I

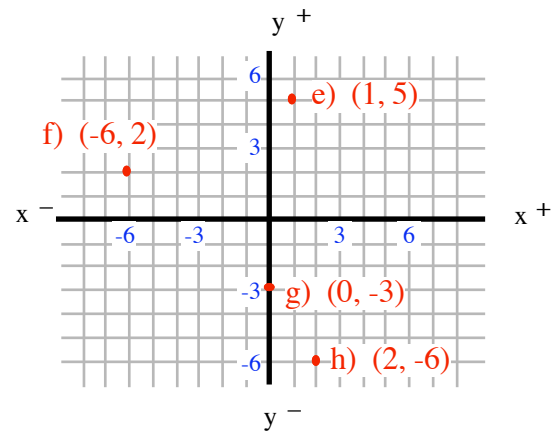
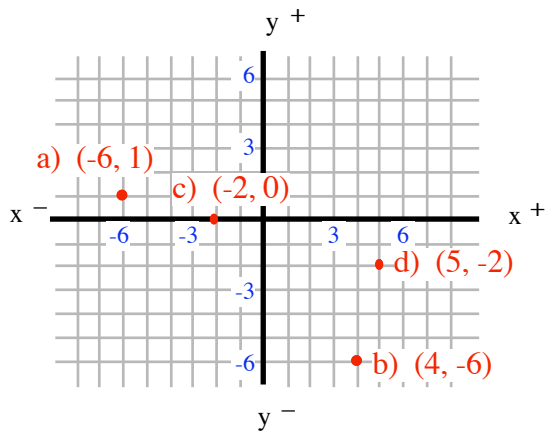
6. a) on the positive y-axis  
this is a y-intercept.      b) on the negative x-axis  
this is an x-intercept.      c) on the positive x-axis  
this is an x-intercept.  
 d) on the negative y-axis  
this is a y-intercept.      e) at the origin;  
this is both an x-intercept and a y-intercept.

7.



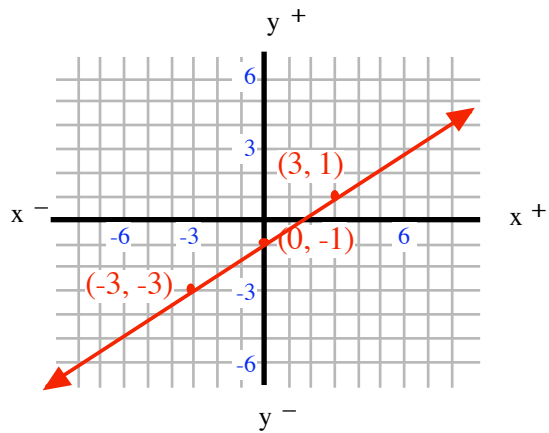
8. a)  $(-3, 0)$       b)  $(0, 5)$       c)  $(2, 0)$       d)  $(-6, 0)$   
e)  $(0, -5)$       f)  $(5, 0)$       g)  $(0, -2)$       h)  $(0, 3)$

9.

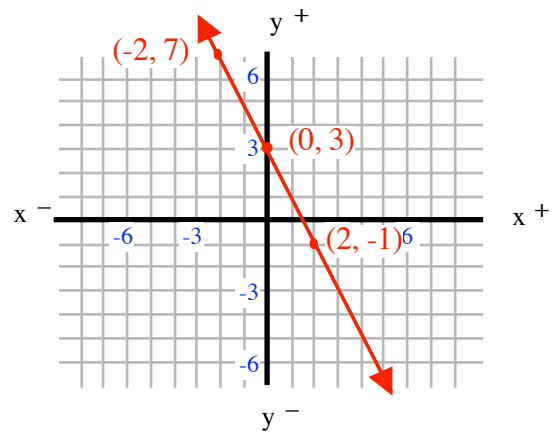


(#10 - 13 are on the next page)

10.



11.



12.  $(-6, 5)$ ,  $(0, 3)$ , and  $(6, 1)$

13.  $(0, -3)$ ,  $(1, -1)$ ,  $(3, 3)$ , and  $(4, 5)$