Answers to Classwork Section 3.2 – Graphs of Equations

$$x - \text{int} : (0, 0)$$

1.
$$y - int : (0,0)$$

symmetric with respect to y-axis

$$x - \text{int} : (-3, 0), (3, 0)$$

2.
$$y - int : (0,3)$$

symmetric with respect to y-axis

$$x - \text{int} : (2, 0)$$

3. y-int:none

symmetric with respect to x-axis

$$x - int : (0,0)$$

4. y - int: (0,0)

symmetric with respect to origin

$$x - \text{int}: (-3,0), (3,0)$$

$$y - int : (0, -2), (0, 2)$$

5. symmetric with respect to y-axis,

$$x-axis$$
,

origin

$$x$$
 – int : none

6. y-int:none

symmetric with respect to origin

$$x - int: (3,0)$$

7. y-int:none

symmetric with respect to x-axis

$$x - \text{int} : (4, 0)$$

8. y - int: (0, 2)

no symmetry

$$x - \text{int} : none$$

$$y - int : (0, -1), (0, 1)$$

9. symmetric with respect to y – axis,

$$x-axis$$
,

origin

$$x - \text{int} : (-4, 0)$$

10. y - int : (0, -2), (0, 2)

symmetric with respect to x-axis

$$x-int: none$$

11. y - int : (0, 2)

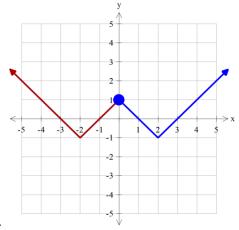
symmetric with respect to y-axis

$$x - \text{int} : (2, 0)$$

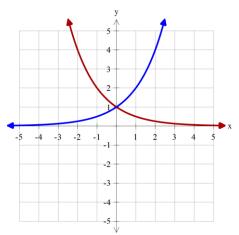
12. y - int : (0, -2), (0, 2)

symmetric with respect to x – axis

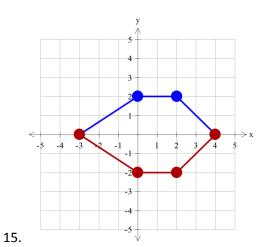
In all the following graphs, the red graph represents the graph you were asked to sketch, the blue graph was the given graph



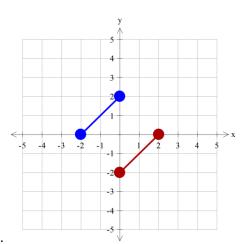
13.



14.



16.



17.