

Answers to Classwork Section 3.2 –Graphs of Equations

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| $x - \text{int} : (0, 0)$ | $x - \text{int} : (3, 0)$ |
| 1. $y - \text{int} : (0, 0)$
<i>symmetric with respect to y-axis</i> | 7. $y - \text{int} : \text{none}$
<i>symmetric with respect to x-axis</i> |
| $x - \text{int} : (-3, 0), (3, 0)$ | $x - \text{int} : (4, 0)$ |
| 2. $y - \text{int} : (0, 3)$
<i>symmetric with respect to y-axis</i> | 8. $y - \text{int} : (0, 2)$
<i>no symmetry</i> |
| $x - \text{int} : (2, 0)$ | $x - \text{int} : \text{none}$ |
| 3. $y - \text{int} : \text{none}$
<i>symmetric with respect to x-axis</i> | $y - \text{int} : (0, -1), (0, 1)$ |
| $x - \text{int} : (0, 0)$ | 9. <i>symmetric with respect to y-axis,
x-axis,
origin</i> |
| 4. $y - \text{int} : (0, 0)$
<i>symmetric with respect to origin</i> | $x - \text{int} : (-4, 0)$ |
| $x - \text{int} : (-3, 0), (3, 0)$ | 10. $y - \text{int} : (0, -2), (0, 2)$
<i>symmetric with respect to x-axis</i> |
| $y - \text{int} : (0, -2), (0, 2)$ | $x - \text{int} : \text{none}$ |
| 5. <i>symmetric with respect to y-axis,
x-axis,
origin</i> | 11. $y - \text{int} : (0, 2)$
<i>symmetric with respect to y-axis</i> |
| $x - \text{int} : \text{none}$ | $x - \text{int} : (2, 0)$ |
| 6. $y - \text{int} : \text{none}$
<i>symmetric with respect to origin</i> | 12. $y - \text{int} : (0, -2), (0, 2)$
<i>symmetric with respect to x-axis</i> |

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

