

Algebra II
Chapter 2, Section 2
Graphing Relations

Graph each of the following relations by plotting points. Make sure to plot enough points to see the details in each graph. Graphs in notebooks will be graded on accuracy and neatness. Remember, graphs represent a solution set, so an inaccurate graph is like an incorrect answer.

1) $2x - y = 6$

2) $y = |x| + 2$

3) $y = \sqrt{16 - x^2}$

4) $y = -\frac{1}{2}(x - 1)^2 + 3$

5) $y = x^3 - 3x + 1$

6) $|y| = x - 1$

7) $y = x^4 - 2x^2$

8) $x^2 + y^2 = 25$