

Section 3.4 – Graphing Quadratic Equations

Problem Set 3

Find the x -intercepts and y -intercept of the following quadratic equations.

1. $y = 7x^2 + 6x + 1$

2. $y = 2x^2 - 8x$

3. $y = 13x^2 + 12x - 1$

4. $y = 4x^2 + 2x - 6$

5. $y = 13x^2 + 13x - 3$

6. $y = 2x^2 - 11$

7. $y = 9x^2 + 14x + 4$

8. $y = 13x^2 + x + 1$

9. $y = -8x^2 + 15$

10. $y = 13x^2 - 7x + 14$

11. $y = 6x^2 - 14x + 4$

12. $y = 7x^2 + 9x$

Graph the following equations.

1. $y = -x^2 - 2x + 12$

2. $y = 14x^2 - 3x - 11$

3. $y = -11x^2 + 8x - 14$

4. $y = 12x^2 - 15x + 3$

5. $y = -7x^2 + x + 11$

6. $y = -14x^2 - 7x + 9$

7. $y = 2x^2 + 13x + 11$

8. $y = -7x^2 + 2x - 7$

9. $y = 4x^2 - 10x + 4$

10. $y = -10x^2 - 8x - 1$

11. $y = -7x^2 + 14$

12. $y = 7x^2 + 2x - 5$