

LT 4.2 Skills Practice #4

Quadratic Formula

- a) Find the discriminant
- b) Describe the number and types of roots
- c) Solve (method: your choice)

Solve each equation.

1. $7x^2 - 11x + 5 = 0$

2. $-7x + 15x^2 - 4 = 0$

3. $x^2 + 6x - 16 = 0$

4. $x^2 - 8x + 9 = 0$

5. $x^2 - 10x - 11 = 0$

6. $x^2 + 6x - 16 = 0$

7. $2x^2 + 25x + 33 = 0$

8. $x^2 + 8x + 16 = 0$

9. $x^2 + 6x - 16 = 0$

10. $3x^2 + 5x + 1 = 0$

11. $x^2 - 16x + 64 = 0$

12. $x^2 + 34x + 289 = 0$

13. $2x^2 + 6x - 7 = 0$