

NAME: _____

P.I. A2.A.25: Solve quadratic equations, using the quadratic formula

Solve:

1. $-7x + 7 + 9x^2 = 0$

7. $-3x + 6 + 5x^2 = 0$

8. $2x^2 + 8x + 5 = 0$

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

9. $-3x + 6 + 5x^2 = 0$

3. $x^2 - 6x + 25 = 0$

10. $x^2 + 2x + 10 = 0$

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

11. $5x^2 - 8x + 2 = 0$

5. $-x + 4 + 6x^2 = 0$

12. $x^2 - 10x + 29 = 0$

6. $x^2 - 4x + 13 = 0$

[1] $\frac{7 \pm i\sqrt{203}}{18}$

[2] $4 \pm 2\sqrt{3}$

[3] $3 + 4i, 3 - 4i$

[4] $2 \pm \sqrt{2}$

[5] $\frac{1 \pm i\sqrt{95}}{12}$

[6] $2 + 3i, 2 - 3i$

[7] $\frac{3 \pm i\sqrt{111}}{10}$

[8] $\frac{-4 \pm \sqrt{6}}{2}$

[9] $\frac{3 \pm i\sqrt{111}}{10}$

[10] $-1 + 3i, -1 - 3i$

[11] $\frac{4 \pm \sqrt{6}}{5}$

[12] $5 + 2i, 5 - 2i$