

NAME: _____

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

Solve:

1. Solve using the quadratic formula.

$$x^2 + 4x - 3 = 0$$

6. $5x^2 + 7x = 4$

2. Solve using the quadratic formula:

$$2x^2 + 11x = 2$$

7. $4x^2 - 11x = -2$

3. Solve using the quadratic formula:

$$2x^2 - 9x = 3$$

8. $4x^2 - 7x = 5$

4. Solve using the quadratic formula:

$$4x^2 + 5x = 3$$

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

5. Solve using the quadratic formula:

$$3x^2 - 7x = 4$$

10. $7x^2 - 11x = -2$

[1] $-2 + \sqrt{7}$ and $-2 - \sqrt{7}$

[2] $\frac{-11 \pm \sqrt{137}}{4}$

[3] $\frac{9 \pm \sqrt{105}}{4}$

[4] $\frac{-5 \pm \sqrt{73}}{8}$

[5] $\frac{7 \pm \sqrt{97}}{6}$

[6] $\frac{-7 \pm \sqrt{129}}{10}$

[7] $\frac{11 \pm \sqrt{89}}{8}$

[8] $\frac{7 \pm \sqrt{129}}{8}$

[9] $\frac{-5 \pm \sqrt{97}}{12}$

[10] $\frac{11 \pm \sqrt{65}}{14}$
