Algebra I Practice A.REI.B.4: Solving Quadratics 10

NAME:_____

1. Solve using the quadratic formula.

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

Solve:

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

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

4. Solve using the quadratic formula:

    $4x^2 + 5x = 3$

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

5. Solve using the quadratic formula:

    $3x^2 - 7x = 4$

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

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

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

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

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

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

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

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

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

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