

Name:

ALGEBRA
MP 3
QUADRATIC FORMULA
ASSIGN #17

A.REI.B.4.

$$X = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

2. $x^2 - 5x - 24 = 0$

$$x = 8$$
$$x = -3$$

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

$$x = \frac{-5 \pm \sqrt{5}}{2}$$

6. $4x^2 - 1 = -8x$

$$x = \frac{-2 \pm \sqrt{5}}{2}$$

8. $x^2 + 3x - 10 = 0$

$$x = 2$$
$$x = -5$$

$$10. 2x^2 + 23 = 14x$$

$$x = \frac{7 \pm \sqrt{3}}{2}$$

$$12. 2x^2 + 39 = -18x$$

$$x = 9, x = -6$$

$$14. 5x^2 + 50x = -125$$

$$x = -5$$