

Name: Key

Unit 8 - Post Assessment Solving Quadratics

Solve for x: $x^2 - 4 = 32$
 $\sqrt{x^2} = \sqrt{36}$
 $x = \pm 6$

Use the Quadratic Formula to
solve: $x^2 + 4x + 3$

$$x = \frac{-4 \pm \sqrt{(4)^2 + -4(1)(3)}}{2(1)}$$
$$x = \frac{-4 \pm \sqrt{16 - 12}}{2}$$
$$x = \frac{-4 \pm 2}{2}$$

$x = -1$ $x = -3$

Find the Discriminant and determine the
number of solutions: $3x^2 - 6x + 1$

$$(-6)^2 + -4(3)(1)$$
$$36 + -12$$
$$24$$

2 solutions

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