

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

ID: A

### Quadratic Formula Practice

Use the Quadratic Formula to solve the equation.

1.  $5x^2 + 9x - 2 = 0$

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

3.  $x^2 + 10x + 14 = 0$

4.  $3x^2 + 7x = -9$

Kaitlyn solved some equations using the quadratic formula, but she needs help simplifying them. Finish simplifying them for her. Show your work.

5.  $\frac{-6 \pm \sqrt{36}}{4}$

6.  $\frac{-7 \pm \sqrt{-32}}{4}$

7.  $\frac{-9 \pm \sqrt{(9)^2 - 4(5)(-3)}}{2(5)}$

8.  $\frac{-12 \pm \sqrt{27}}{6}$