

## Quadratic Equations

### Quadratic Formula

#### Formula: Non-Standard form

1. *solve by quadratic formula*  $x(x - 2) = 8$
2. *solve by quadratic formula*  $(3x - 2) - (x - 3)^2 + 11 = 0$
3. *solve by quadratic formula*  $36 = x(x + 5)$
4. *solve by quadratic formula*  $(z - 6)^2 = 25$
5. *solve by quadratic formula*  $2w(2w - 1) = 2$
6. *solve by quadratic formula*  $2x(x - 1) = 1 - x$
7. *solve by quadratic formula*  $x(5x + 8) = 4$
8. *solve by quadratic formula*  $(x + 2)(x + 2) = 1$
9. *solve by quadratic formula*  $2x(2x + 1) = 6$
10. *solve by quadratic formula*

**Answers****Quadratic Equations****Quadratic Formula****Formula: Non-Standard form**

1.  $x = 4, x = -2$

2.  $x = 0, x = 9$

3.  $x = 4, x = -9$

4.  $z = 11, z = 1$

5.  $w = 1, w = -\frac{1}{2}$

6.  $x = 1, x = -\frac{1}{2}$

7.  $x = \frac{2}{5}, x = -2$

8.  $x = -1, x = -3$

9.  $x = 1, x = -\frac{3}{2}$

10.