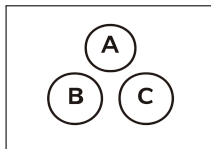
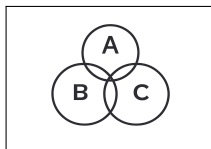


12 Factoring and Solving Quadratic Formula

B



$$\begin{aligned}
 a &= 1, b = 2, c = 1 \\
 x^2 + 2x + 1 &= 0 = y \\
 x &= -b \pm \sqrt{b^2 - 4ac}/2a \\
 x &= -2 \pm \sqrt{2^2 - 4(1)(1)}/2(1) \\
 x &= -2 \pm \sqrt{4 - 4}/2 \\
 x &= -2 \pm \sqrt{0}/2 \\
 x &= -2 \pm 0/2 \\
 x &= -2/2 \\
 x &= -1
 \end{aligned}$$



$$\begin{aligned}
 ax^2 + bx + c &= 0, a \neq 0 \\
 x &= -b \pm \sqrt{b^2 - 4ac}/2a
 \end{aligned}$$



$$\begin{aligned}
 a &= 2, b = 4, c = 2 \\
 2x^2 + 4x + 2 &= 0 = y \\
 x &= -b \pm \sqrt{b^2 - 4ac}/2a = ?
 \end{aligned}$$

12

Factoring and Solving Quadratic Formula

B



$$a = 2, b = 4, c = 2$$

$$2x^2 + 4x + 2 = 0 = y$$

$$x = -b \pm \sqrt{b^2 - 4ac}/2a$$

$$x = -4 \pm \sqrt{4^2 - 4(2)(2)}/2(2)$$

$$x = -4 \pm \sqrt{16 - 16}/4$$

$$x = -4 \pm 0/4$$

$$x = -4/4$$

$$x = -1$$