

Exercises

Solve each equation by using the Quadratic Formula. Round to the nearest tenth if necessary.

1.  $x^2 - 3x + 2 = 0$

$(x-2)(x-1) = 0$   $x=2, 1$   
*can't factor...*

**Factor!**

①  $\begin{array}{r} -3 \\ -2 \times -1 \\ \hline 2 \end{array}$

⑭  $a=8$   
 $b=17$   
 $c=2$   
 $x = \frac{-17 \pm \sqrt{(17)^2 - 4(8)(2)}}{2(8)}$

$x = \frac{-17 \pm \sqrt{289 - 64}}{16} =$

14.  $8x^2 + 17x + 2 = 0$

$= \frac{-17 \pm \sqrt{225}}{16}$

$= \frac{-17 \pm 15}{16}$   
 $= -2, \frac{1}{8}$