



- **3-10.** Solve $(x - 2)^2 - 3 = 1$ graphically. Then use algebraic strategies to solve the equation and verify that your graphical solutions are correct. [Homework Help](#) 

- **3-11.** Solve each equation. Think about Rewriting, Looking Inside, or Undoing.

a) $2(x - 1)^2 + 7 = 39$

b) $-7 + \left(\frac{4x+2}{2}\right) = 8$

- **3-12.** If $f(x) = 3x - 9$ and $g(x) = -x^2$, determine: [Homework Help](#) 

a) $f(-2)$

b) $g(-2)$