

Unit 0 HW #6

- Use any method to find the points of intersection of $f(x) = 2x^2 - 3x + 4$ and $g(x) = x^2 + 5x - 3$. [Help](#)
- Solve each equation for x . [Help](#)
 - $-2(x + 4) = 35 - (7 - 4x)$
 - $\frac{x-4}{7} = \frac{8-3x}{5}$
- Make a complete graph of the function $f(x) = \sqrt{x} - 2$, label its x - and y -intercepts, and describe its domain and range. [Help](#)
- What value of y allows you to find the x -intercept? For each of the equations below, find where its graph intersects the x -axis. Write each answer as an ordered pair. [Help](#)
 - $y = 3x + 6$
 - $y = 2x^2 - 4$
 - $y = (x - 5)^2$
 - $y = x^3 - 13$
- Solve each equation below for the indicated variable. [Help](#)
 - $y = mx + b$ for x
 - $A = \pi r^2$ for r
 - $V = LHW$ for W