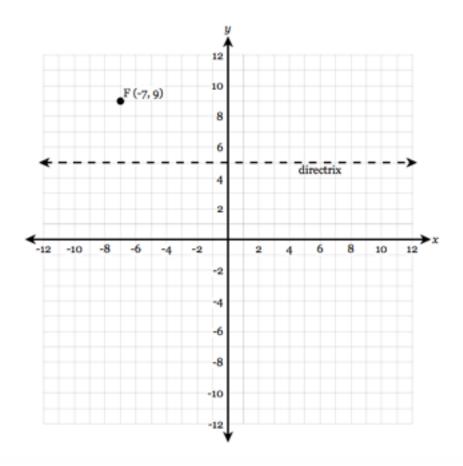
A parabola can be drawn given a focus of (-7, 9) and a directrix of y = 5. Write the equation of the parabola in any form.



Solve for all possible values of x.

$$\sqrt{10x+51} = x+6$$

For the function $f(x) = \sqrt[3]{x} + 3$, find $f^{-1}(x)$.

\boldsymbol{x}	g(x)
-1	16
1	8
3	8
5	16

$$h(x) = -x^2 + 2x + 24$$

Given the functions f(x) and g(x) below, find all solutions to the 5. equation f(x) = g(x) to the nearest hundredth.

$$f(x) = 0.25x^3 - 3x^2 + 9.4x - 9.8$$
 $g(x) = -|0.9x| - 1$

$$g(x) = -|0.9x| - 1$$

HINT- use 2nd TRACE 5 on your calculator!