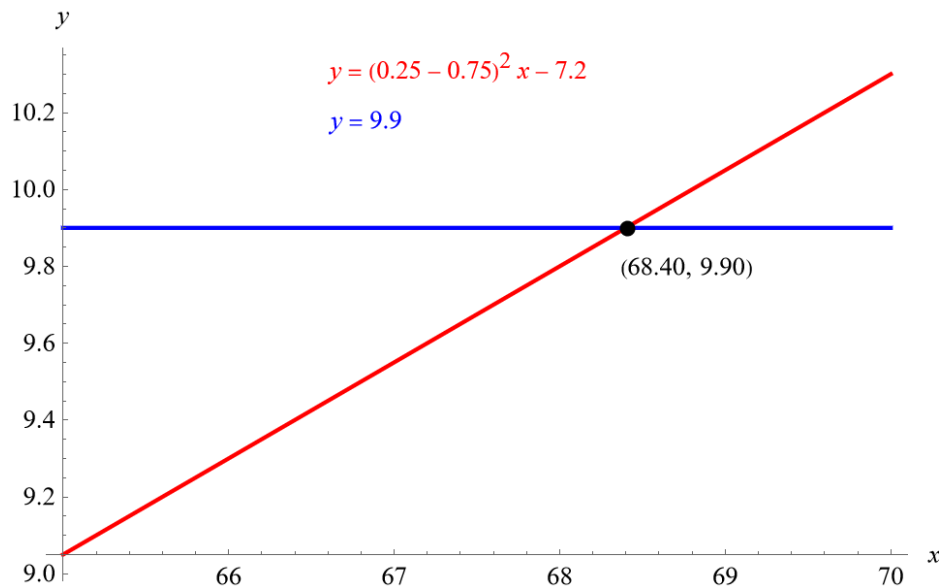## Exercise 61

For the following exercises, use a graphing calculator to solve for x. Round the answers to the nearest hundredth.

$$(0.25 - 0.75)^2 x - 7.2 = 9.9$$

Solution

Plot $y = (0.25 - 0.75)^2 x - 7.2$ versus x and $y = 9.9$ versus x on the same screen.

The point where the two lines intersect is marked. The graphing calculator gives the x- and y-coordinates of this point. Therefore,

$$x \approx 68.40.$$