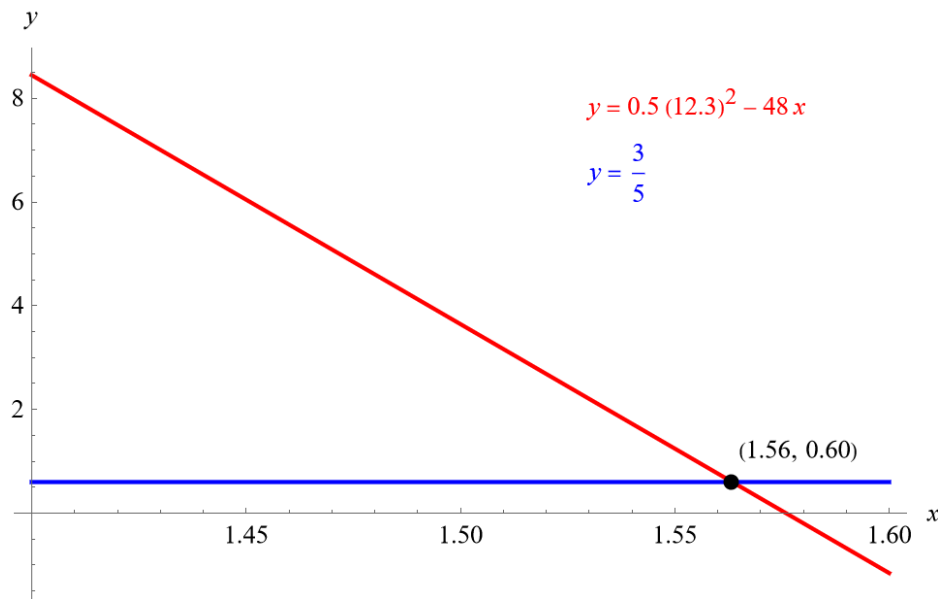## Exercise 60

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

$$0.5(12.3)^2 - 48x = \frac{3}{5}$$

Solution

Plot $y = 0.5(12.3)^2 - 48x$ versus x and $y = 3/5$ 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,

$$x \approx 1.56.$$