

$$\left(x + \frac{15,5}{2}\right)^2 - \frac{1056,25}{4} = 0$$

$$\left(x + \frac{15,5}{2}\right)^2 - \left(\frac{32,5}{2}\right)^2 = 0$$

$$\left(x + \frac{15,5}{2} - \frac{32,5}{2}\right)\left(x + \frac{15,5}{2} + \frac{32,5}{2}\right) = 0$$

$$\left(x - \frac{17}{2}\right)(x + 24) = 0$$

$$x - \frac{17}{2} = 0 \quad \text{ή} \quad x + 24 = 0 \quad \text{Αδύνατη}$$

$$x = \frac{17}{2} = 8,5 \text{ m}$$