

1.67  
7.1

$$\begin{cases} (x-y)(x+2y) = 4 \\ (x+y)(2x+y) = 15 \end{cases}$$

נשים לב, במתן  $x=0$  ו- $y=0$  (שניהם) לא יתקבלו  
באופן  $x^2$  -> המשוואה 2 נכשלת

$$\begin{cases} 1 + \frac{0}{x} - \frac{2y^2}{x^2} = \frac{4}{x^2} & /15 \\ 2 + \frac{3y}{x} + \frac{2y^2}{x^2} = \frac{15}{x^2} & /4 \end{cases}$$

$$\begin{cases} 15 + \frac{15y}{x} - \frac{30y^2}{x^2} = \frac{60}{x^2} \\ 8 + \frac{12y}{x} + \frac{4y^2}{x^2} = \frac{60}{x^2} \end{cases}$$

$$7 + \frac{3y}{x} - \frac{34y^2}{x^2} = 0$$

$$\text{נניח } A = \frac{y}{x} \quad \text{מכאן}$$

$$34A^2 - 3A - 7 = 0$$

$$A_1 = \frac{1}{2} \quad A_2 = \frac{7}{17}$$

$$\frac{y}{x} = \frac{1}{2}$$

$$2y = x$$

$$4y^2 = 4$$

$$\begin{cases} y=1 \rightarrow x=2 \\ y=-1 \rightarrow x=-2 \end{cases}$$

$$\frac{y}{x} = \frac{7}{17}$$

$$17y = 7x$$

$$\begin{aligned} -\frac{24y}{7} \cdot \left(-\frac{3y}{7}\right) &= 4 \\ y^2 &= \frac{49}{18} \end{aligned}$$

נניח  $y = \frac{7}{\sqrt{18}}$  ו- $x = \frac{17}{\sqrt{18}}$

$$\begin{cases} y = \frac{7}{\sqrt{18}} \rightarrow x = \frac{17}{\sqrt{18}} \\ y = -\frac{7}{\sqrt{18}} \rightarrow x = \frac{17}{\sqrt{18}} \end{cases}$$