

Lineare Gleichungssysteme Aufgabe 8

$$-y = -\frac{4}{7}x + \frac{27}{7}$$

$$-y = \frac{8}{5}x + 8\frac{1}{5}$$

$$-y = -y$$

$$-\frac{4}{7}x + \frac{27}{7} = \frac{8}{5}x + \frac{41}{5} \quad | \cdot 35 \quad \text{Hauptnenner } 5 \cdot 7 = 35$$

$$-20x + 135 = 56x + 287 \quad | +20x$$

$$135 = 76x + 287 \quad | -287$$

$$-152 = 76x \quad | :76$$

$$\mathbf{x = -2}$$

$$-y = \frac{8}{5} \cdot (-2) + \frac{41}{5}$$

$$-y = -\frac{16}{5} + \frac{41}{5}$$

$$-y = \frac{25}{5} = 5 \quad | :(-1)$$

$$\mathbf{y = -5}$$