

1435

$$(a) \quad \frac{10}{2+x} = 2$$

$$(\cancel{2+x}) \cdot \frac{10}{(\cancel{2+x})} = 2 \cdot (2+x)$$

$$10 = 4 + 2x$$

$$6 = 2x$$

$$x = 3$$

$$\underline{\underline{\text{Svar: } x = 3}}$$

$$(b) \quad \frac{40}{x-2} = 4$$

$$(\cancel{x-2}) \cdot \frac{40}{(\cancel{x-2})} = 4 \cdot (x-2)$$

$$40 = 4x - 8$$

$$4x = 48$$

$$x = 12$$

$$\underline{\underline{\text{Svar: } x = 12}}$$

$$(c) \quad \frac{9}{y} = \frac{3}{7}$$

$$7y \cdot \frac{9}{y} = \frac{3}{7} \cdot 7y$$

$$7 \cdot 9 = 3y$$

$$y = \frac{7 \cdot 9}{3}$$

$$y = 21$$

$$\underline{\underline{\text{Svar: } y = 21}}$$

$$(d) \quad \frac{2}{3} = \frac{5}{y}$$

$$\cancel{3}y \cdot \frac{2}{\cancel{3}} = \frac{5}{y} \cdot \cancel{3}y$$

$$2y = 5 \cdot 3$$

$$y = \frac{15}{2}$$

$$y = 7,5$$

$$\underline{\underline{\text{Svar: } y = 7,5}}$$