

4th exercise;

$$1. \frac{y}{x} = \frac{3}{4}$$

$$y = \frac{3}{4}x$$

then y is a linear function of x where $a = \frac{3}{4}$.

$$2. y = 0.75x$$

x	0	4
y	0	3
(x, y)	(0, 0)	(4, 3)

(on the graph paper)

3. If the width is 6cm

$$\text{then } y = 6\text{cm}$$

$$\text{so, } y = 0.75x$$

$$6 = 0.75x$$

$$x = \frac{6}{0.75}$$

$$x = 8\text{cm}$$

the length is 8cm if the width is 6cm.