

7/10

Παραγοντοποίηση και αλγόριθμος

$$\frac{3a+3b}{3} = \frac{\cancel{3}(a+b)}{\cancel{3}} = a+b$$

$$\frac{7x+7y}{3x+3y} = \frac{\cancel{7}(\cancel{x+y})}{\cancel{3}(\cancel{x+y})} = \frac{7}{3}$$

$$\frac{2+x}{x+2} = \frac{\cancel{x+2}}{\cancel{x+2}} = 1$$

$$\frac{5x}{5a + 5b} = \frac{\cancel{5}x}{\cancel{5}(a+b)} = \frac{x}{a+b}$$

$$\frac{4\cancel{x^2} - \cancel{x^2}y}{x^2} = \frac{\cancel{x^2}(4-y)}{\cancel{x^2}} = \frac{4-y}{1} = 4-y$$

Hw.

$$1) \frac{2x + 2y}{2} = \frac{\cancel{2}(x+y)}{\cancel{2}}$$

$$2) \frac{3a + 3b}{8a + 8b} = \frac{3(\cancel{a+b})}{8(\cancel{a+b})}$$

$$3) \frac{x+y}{y+x} = \frac{x+y}{x+y} = 1$$

$$4) \frac{3k}{3k - 32} = \frac{\cancel{3}k}{\cancel{3}(k+2)} = \frac{k}{k+2}$$

$$5) \frac{9x + 9y}{9} = \frac{\cancel{9}(x+y)}{\cancel{9}} = x+y$$

$$6) \frac{10x - 10y}{2x - 2y} = \frac{10(\cancel{x-y})}{2(\cancel{x-y})}$$

115