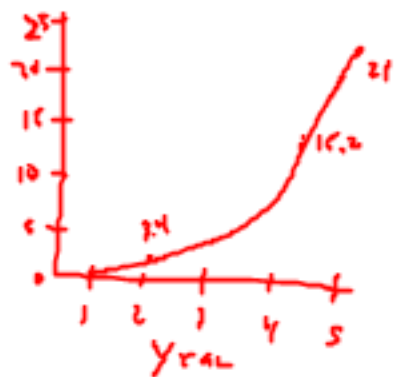


Sub



$$= \frac{\Delta Y}{\Delta X}$$

$$\frac{21 - 3.4}{5 - 2} = \frac{17.6}{3}$$

$$\approx \sqrt[5]{17.6} \approx 5.9$$

X	Y
2	6
4	12



$$\frac{12 - 6}{4 - 2}$$

$$\frac{6}{2} = 3$$



X	Y
2	8
4	16

$$\frac{16 - 8}{4 - 2}$$

$$\frac{8}{2} = 4$$



$$y = kx$$

$$k \neq 0$$

$$y = -6$$

$$x = 2$$

$$\frac{-6}{2} = \frac{k(2)}{2}$$

$$k = -3$$


$$y = -3x$$

Time (x)	height (y)	$k = \frac{y}{x}$
5	2.0	0.4
10	2.75	0.18
15	5.5	0.37
20	7.5	0.38

$$k = 0.4$$

$$y = kx$$

$$y = 0.4x$$

$$\frac{48}{\frac{y}{4}} = \frac{0.4x}{\frac{1}{4}}$$


$$\frac{480}{4} = 120 \text{ min} \\ 2 \text{ hr.}$$

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