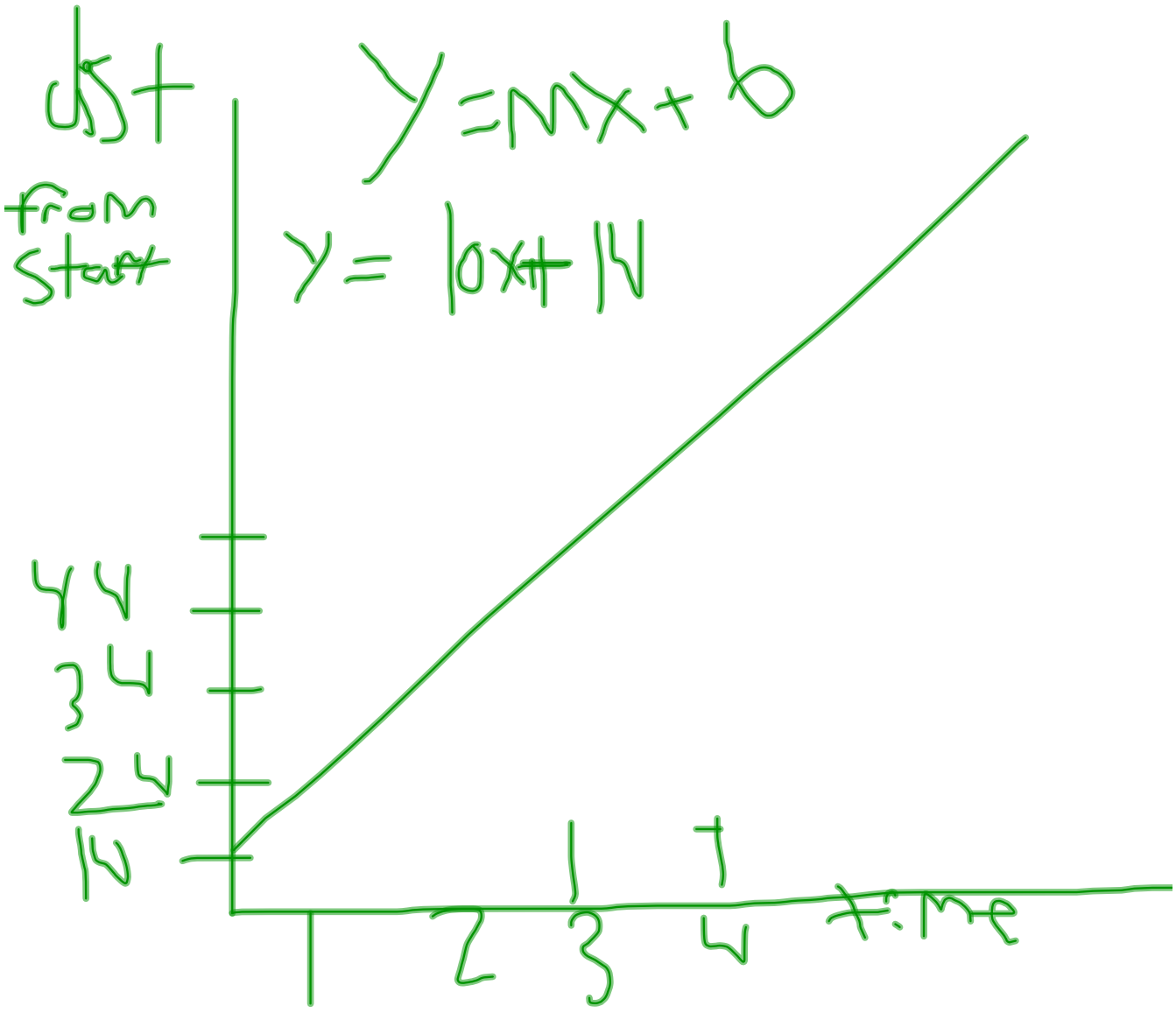
dist
from
start
y = mx + b
y = 10x + 14
44
34
24
14
1
t
2
3
4
time

$$X = X_0 + V_0 t + \frac{1}{2} a t^2$$

$$-X_0 \quad -X_0$$

$$X - X_0 = V_0 t + \frac{1}{2} a t^2$$

$$d = 14t + \frac{1}{2}(10)t^2$$

$$d = 14t + 5t^2$$

$$\frac{dd}{dt} = V$$

$$V = 14t^0 + 2 \cdot 5 t^1$$

$$V = 14(1) + 10t$$

Velocity

Y B MX

derivative

$$x^3$$

$$3x^2$$

Find derivative