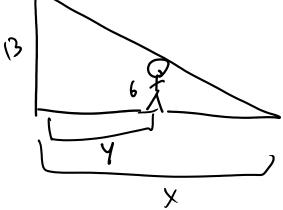
Lecture 18: Related Rates, part 2

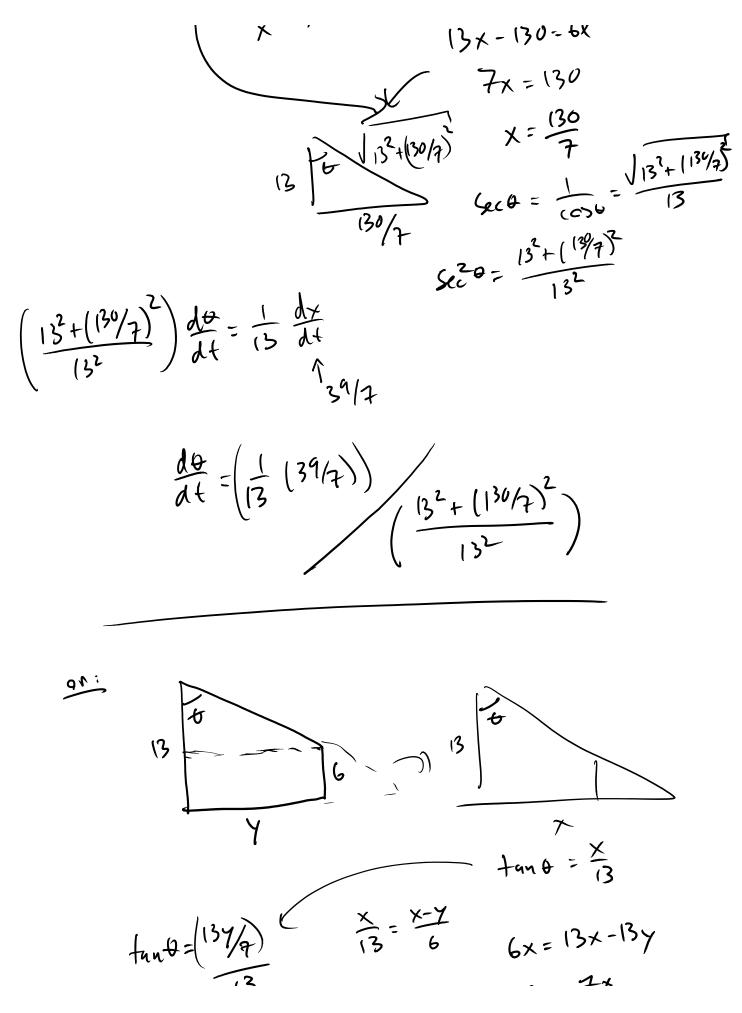
Tuesday, February 28, 2017 12:39 PM



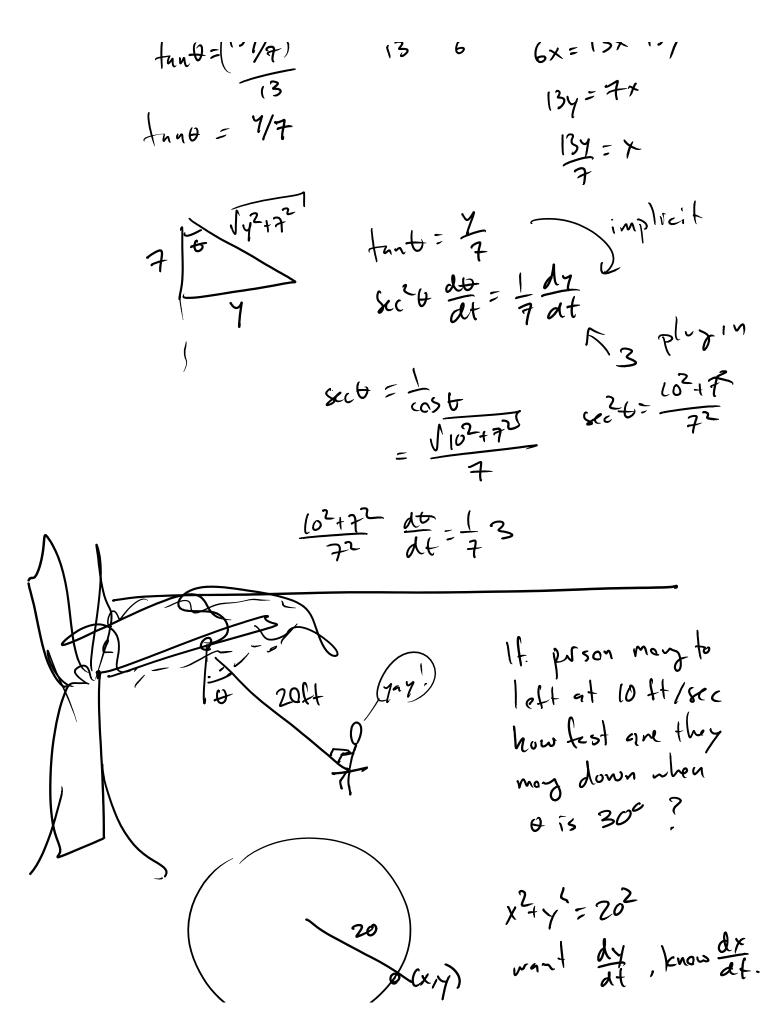
 $\frac{6}{x-y} = \frac{13}{x}$ 6x = 13(x-y)6x = 13x - 13y

 $13\gamma = 7x$ 13dy = 7d H = 7d1

calc1 Page 2



calc1 Page 3



calc1 Page 4

want it, know af.

$$\frac{dx}{dt} + 2y \frac{dy}{dt} = 0$$

$$\frac{dy}{dt} = -\frac{x}{y} \frac{dy}{dt} = 0$$

$$\frac{dy}{dt} = -\frac{10}{y} \frac{dy}{dt} = -\frac{10}{10}$$

$$\frac{10}{10} = \frac{\sqrt{3}}{3} \cdot 10$$

