## Exit Ticket upload: (See

$$x^2 + y^2 = 25$$

a) find dy/dt when x=3, y=4, and dx/dt=8

b) find dx/dt when 
$$x=4$$
,  $y=3$ , and  $dy/dt=-2$ 

$$\frac{dy}{dt} = -\frac{23}{8}$$

$$8 \frac{dx}{dt} = 37$$