Section 3.2: contá

Wednesday, October 16, 2013 9:29 AM

Assign 
$$\exists$$
:  
 $3b)_{xa}\left(\frac{3}{x} - \frac{1}{a}\right) = (1)_{xa}$  (CO: xa  
 $\exists a - x = xa$   
 $\exists a - x = x$   
 $a(\exists - x) = x$   
 $a(\exists - x) = x$   
 $a = \frac{x}{2 \cdot x}$  or  $\frac{-x}{x - 2}$ 

$$\begin{array}{l} \widehat{sa} & |\partial x - 1| - 3 = 0 \\ & |\partial x - 1| = 3 \\ & \swarrow & \searrow \\ \partial x - 1 = 3 & \alpha & \partial x - 1 = -3 \\ \partial x = 4 & & \partial x = -2 \\ & x = 2 & & x = -1 \\ & x = 2 & & x = -1 \end{array}$$

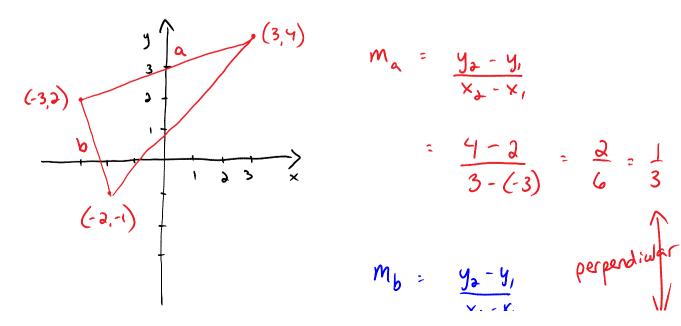
Find the slope of a line which is perpendicular to the line running through the points (2,5) and (-3,7)?

$$M_{1} = \frac{y_{2} - y_{1}}{x_{2} - x_{1}}$$

$$= \frac{7 - 5}{-3 - 2}$$

$$= \frac{2}{-5} = -\frac{2}{5}$$

$$m_2 = -\frac{1}{m_1} = \frac{2}{5}$$



Sec 2 Lectures Page 2

$$M_b = \frac{y_a - y_i}{x_a - x_i}$$
 perpertur  $V$   
=  $\frac{\partial - (-1)}{-3 - (-2)} = \frac{3}{-1} = -3$ 

YES,