

Markay M

Calc for Management, Life & Social Sciences

Example 4 Notes

- 1)  $\rightarrow$  a) Cost of using 6000 gallons of water??  
a) 20\$ according to the graph

Example 7 Notes

- 2)  $\rightarrow$  b) % of <sup>up</sup> adults smoking in 2010?

$$b) \frac{2010 - 2005}{18.1 - 20.9} = \frac{5}{-2.8} = \frac{-2.8}{5} = -0.6$$

- 3) a)  $x^2 + 5x - 24$  roots = zero's (o)

$\begin{matrix} -24 \\ 6 \times 3 \end{matrix}$   
 $(x+8)(x-3)$   
 $x = -8 \quad x = 3$

-8, 3

b)  $6(x^2 - 3x + 2)$

$6(x^2 - x - 2x + 2)$

$6(x \cdot (x-1) - 2(x-1))$

$6(x-1)(x-2)$

$x = 1 ; x = 2$

$x = 1, 2$