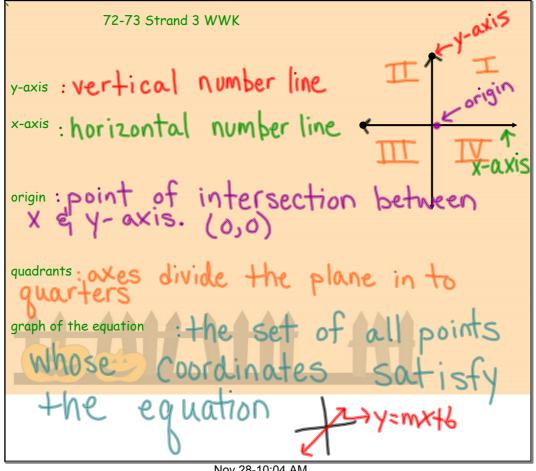
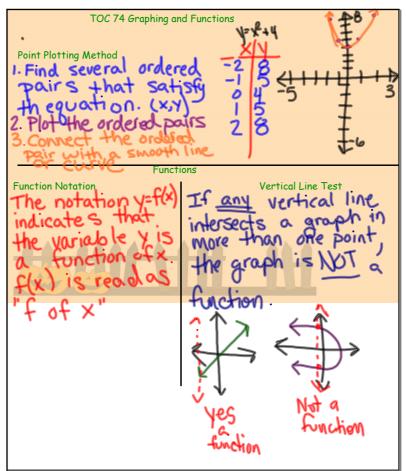
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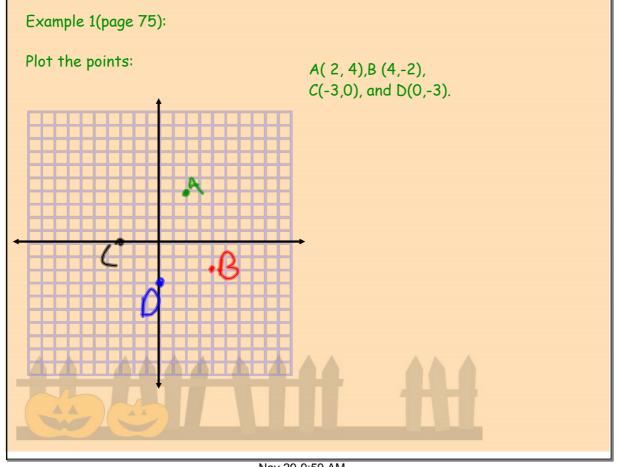
Nov 28-10:46 AM



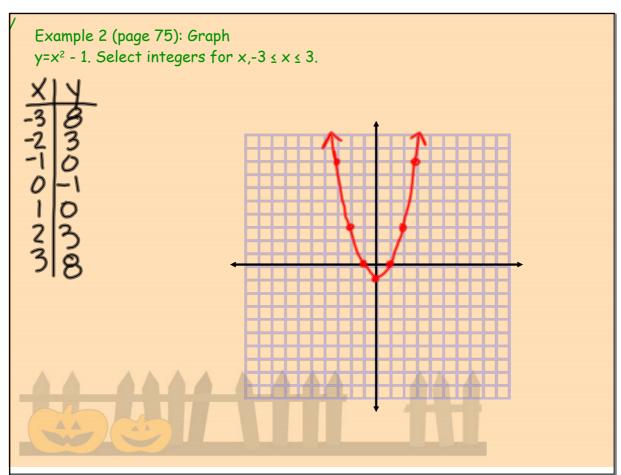
Nov 28-10:04 AM



Nov 28-10:02 AM



Nov 29-9:59 AM



Nov 29-10:05 AM

Example 3 (page 75):

The formula $y = -0.05x^2 + 4.2x - 26$ models the percentage of coffee drinkers, y, who are x years old who

become irritable if they do not have coffee at their regular time.

a) Express the equation in function notation.

$$f(x) = -0.05x^{2} + 4.2x - 26$$

b) Find and interpret f(20)

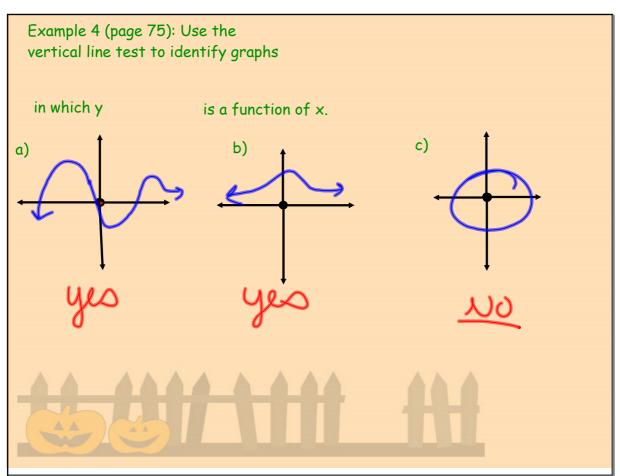
$$f(20) = -0.05(20)^{2} + 4.2(20) - 26$$

$$= -0.05(400) + 84 - 26$$

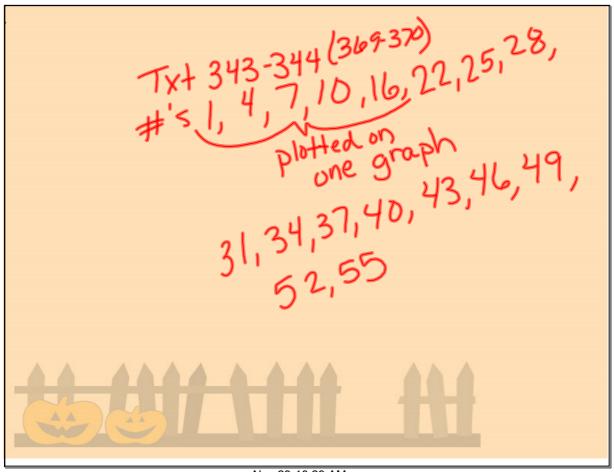
$$= -20 + 58$$

$$f(20 + 38)$$

Nov 29-10:12 AM



Nov 29-10:24 AM



Nov 29-10:29 AM



Oct 30-8:00 AM