Math 10: Unit 6.4: Word Problems

A) We've done 3 main types of questions:

i) given: 2 points…find equation
ii) given: slope and y-intercept…find equation
iii) given: slope and 1 point…find equation

Ex: given (-1, -2) and (-6, -4). Find equation that passes both points.

B) Now, same thing but with words (when given 2 points):

Ex: You expect Sidney Crosby's rookie card to go up in a linear relationship. You bought one at $1. 5 years later, it is now worth $16. Find this linear equation.

C) When given slope and 1 pt….or given slope and y-intercept:

Ex: m=2, passes through (-4, 1)

Ex: m=2, passes through (-4, 1)

Ex: m=2, y-intercept=-5

Ex: Brandon wants to set up a Beard Papa's cream puff food card. The cost to just make 150 cream puffs costs $490. If 350 cream puffs has total costs of $610, how many cream puffs for $724?

i) Find the cost equation

Ii) How much is the fixed cost?

iii) number of cream puffs for $724

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