Problem of the Day: Find the slope of the line passing through the points (4, -3) and (-2, 6).

Plan for the Day:

Finish notes from last week

More practice with direct variation

Objective: We will be able to write and solve

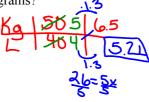
equations in direct variation.

Today is National Pumpkin Cheesecake Day!!

Example: For the following examples, y varies directly as x. Write a direct variation equation that relates x and y. Then solve.

b. If y = 22 when x = 8, find y when x = -16. y = 4x y = 4x y = 44 y = 44

Example: The mass of a substance values directly with the volume of the substance. The volume of 50 kilograms is 40 liters. What is the volume, in liters, of 6.5 kilograms?



Example: The value of y varies directly with x. Write a function that represents the relationship between x and y if y = 20/3 when x = 30.

