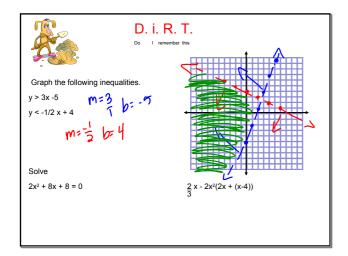
System of Inequalities Word Problems



Unit F Part 2 Day 5 Application of Systems of Inequalities

Objective: Write an inequality to represent the given situation. Solve applications of linear systems of inequalities.

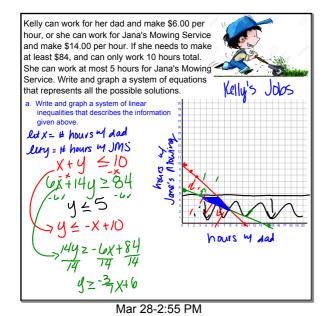
Mar 28-2:44 PM Aug 31-5:55 PM

You can work a total of no more than 10 hours each week at your two jobs. Housecleaning pays \$5 per hour and your sales job pays \$8 per hour. You need to earn at least \$56 each week to pay your bills. Write a system of inequalities that shows the various numbers of hours you can work at each iob.

a. Define the variables.

b. Hours house (langer of the particular of the statement st

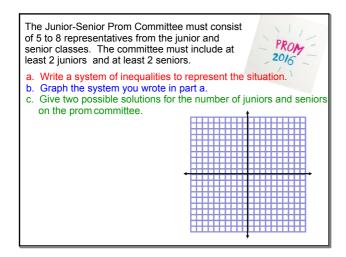
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You are selling pizzas to raise money for a school field trip. Cheese pizza cost \$8 and pepperoni pizza cost \$9. You need to sell at least two of each kind of pizza, and you want to sell at least \$180 worth of pizza. a. Write and graph a system of linear ir the information given above. Pizza Sales let X= # Cheese let y = # pepperson 8x+94 = 180 $X \ge 2$ y=2 9y≥-8x+180 y≥-&x+20 b. You sell 14 cheese pizzas and 10 pepperoni pizzas. Did you reach your sales goal? Explain how you know. yes, b/c it falls in the shaded area

Jan 28-6:24 PM

System of Inequalities Word Problems



Aug 31-6:19 PM