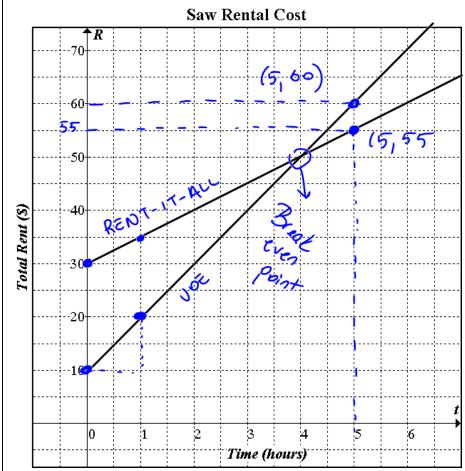
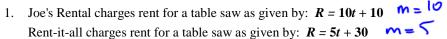
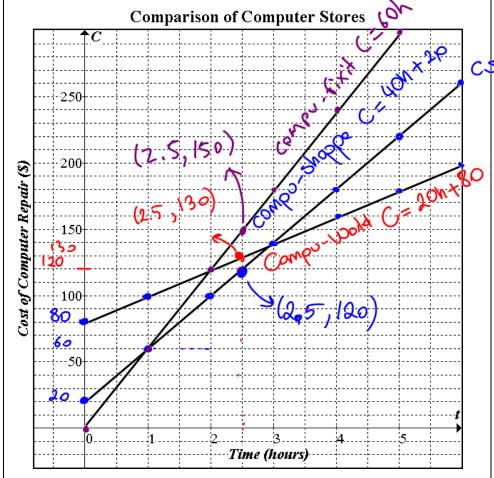
Graph all given lines on the grids below using slope & y-intercept, or tables of values in your notes. Answer all questions in your notebooks.





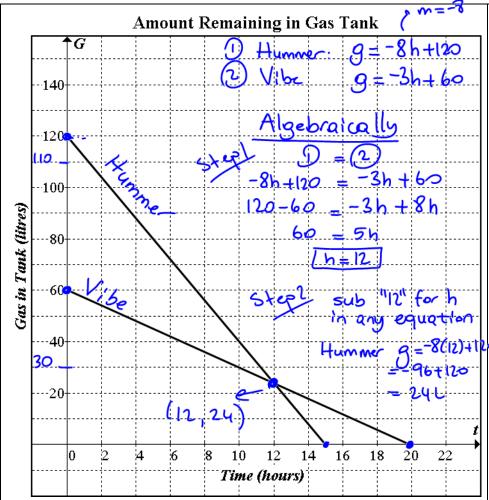
- a) Graph both lines on the above grid. *Label each line with the rental store's name*.
- b) If renting a saw for 5 hours, which store is the best choice for the rental and how much is saved by renting there? R-I-A by \$5
- c) At what time and rental cost are the two stores equal? This is called the "break-even point" on the graph.

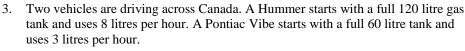


- 2. Greg's computer is down again. The three neighbourhood repair shops have changed their prices. Compu-Shoppe now charges a base price of \$20 plus \$40 per hour. Compu-World charges \$80 plus \$20 per hour. Compu-Fixit charges \$60 per hour.
 - a) Graph all lines and label each line with words <u>and</u> with its equation.
 - b) What is the best and worst choice for a 2.5 hour repair? How much money is saved by choosing the best? CS is the best-choice by \$30
 - c) Describe *in detail* how Compu-World's prices compare to the other stores.

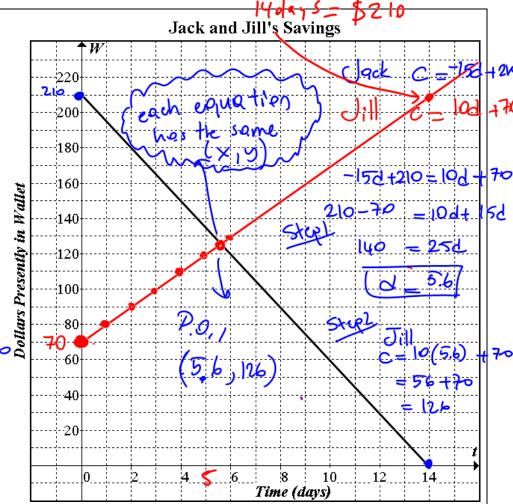
Compu-wolds initial price seems to be more expensive and more costly for a gove that would take up to 3 hours. However it's a better aption

Date:





- Graph all lines and label each line with words *and* with its equation.
- Estimate the coordinates of the *break-even point* when both vehicles have equal amounts of gas left in their tanks. (2 hours and 24 l.
- Use the equations from (a) to check your answer to (b).
- Humme in 15 hows When does each of the vehicles run out of gas? in 20 hour



- Jack begins with \$210 in his wallet and he spends \$15 per day. Jill begins with \$70, but she saves \$10 per day and adds it to the money in her wallet.
 - a) Graph all lines and label each line with words *and* with its equation.
 - b) Estimate the coordinates of the break-even point when Jack and Jill have equal amounts of money. Hint: it is <u>not</u> on a grid point—you must estimate!
 - c) Use the equations from (a) to check your answer to (b).
 - d) How much money will Jill have at the time that Jack has none left?