

Paul Com

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Option 1:

Work out the below worksheet. (24 points) Check your answers in the Unit 2 answer sheet provided at the top of the unit. For the non multiple choice problems type your work into the notes section.

Ask questions in the Unit 2 Forum.

Worksheet 10

1. Joel and Matt must save at least \$50.00 to buy a special present for their mother. Joel saves twice much as Matt. Which inequality best represents the situation if x represents the amount of money that Matt saves?

a. $x + 2x \geq 50$	d. $x + x \geq 50$
b. $x + x \leq 50$	e. $40 + 20x < 200$

2. Patty wants to hire a plumber and keep her total bill below \$200. The plumber charges \$40 flat fee to come to her house and then \$20 per hour. Which inequality best represents the situation if x represents the number of hours the plumber works?

a. $40x + 20x < 200$	c. $40x + 20x \leq 200$	e. $40 + 20x < 200$
b. $40 + 20x \leq 200$	d. $40x + 20 \leq 200$	f. $40x + 20 < 200$