Name: Period:

Lesson 9-6 Classwork

Calculators OK

Question 01

You want to make gift bags, g, for the first people to arrive at your fundraising event. Each gift bag will have a shirt that costs \$5.50 and two bumper stickers that each cost \$0.85. Your budget is \$100. Which inequality below models this situation?

a) $5.5g + 1.7 \leq 100$

b) $5.5g + 1.7 \geq 100$

c) $g(5.5 + 1.7) \leq 100$

d) $g(5.5 + 1.7) \geq 100$

Question 02

In the question above, how many gift bags can you make?

_____ bags

Question 03

A school is making "back-to-school" gift bags, g, that include three pens that each cost \$0.75 and one notebook that costs \$2.99. The total budgeted is \$200. Which inequality below models this situation?

a) $2.99(g + 2.25) \geq 200$

b) $2.99(g + 2.25) \leq 200$

c) $2.25(g + 2.99) \leq 200$

d) $g(2.25 + 2.99) \leq 200$

Question 04

In the question above, how many gift bags can you make?

_____ bags

Question 05

A school has the budget of $1,500 to send students to a special drama camp. The camp costs $29.25 per student attending and each student would also require a bus ticket that costs $45.99 for their round-trip travel.

Part A. How many students can the school send? _____ students

Part B. How much money will be left from the budget? $ _____

Question 06

A school has the budget of $2,000 to send students to a special space camp. The camp costs $99.99 per student attending and each student would also require a plane ticket that costs $228.29 for their round-trip travel.

P art A. How many students can the school send? _____ students

Part B. How much money will be left from the budget? $ _____

Question 07

A school has the budget of $3,000 to send students to a special art camp. The camp costs $70.50 per student attending and each student would also require a train ticket that costs $88.50 for their round-trip travel.

P art A. How many students can the school send? _____ students

Part B. How much money will be left from the budget? $ _____