Name _____ Class _____ Date _____

Practice 4-4

1. Determine which function has the greater rate of change. _____

Function 1

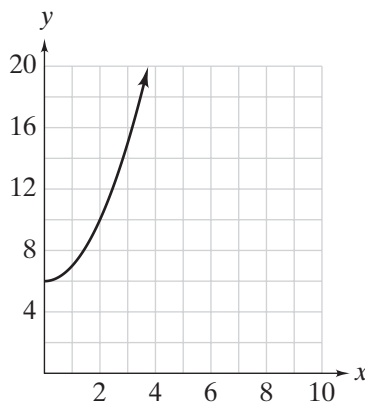| x	2	3	5	6
y	6	10	18	22

Function 2

$y = 3x + 8$

2. Determine which function has the greater initial value? _____

Function 1

When the value of x is 0, the value of y is 3. Each time the value of x increases by 1, the value of y increases by 5.
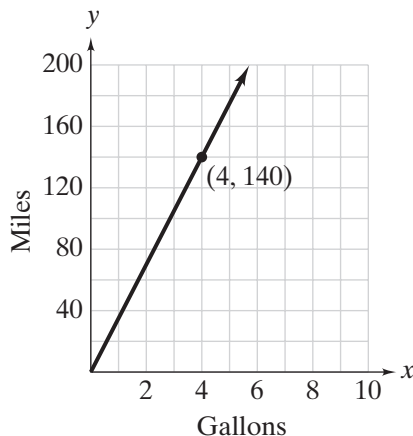
Function 2

3. The repair costs for two mechanic shops are shown below. Which shop has the greater initial cost?

_____

GT Auto Shop	**Capital City Auto Service**
• $75 to run a diagnostic test • $60 per hour for labor	The ordered pairs $(2, 210)$ and $(5, 435)$ are in the form (number of hours, total cost in dollars).

4. Which car gets better gas mileage (more miles per gallon)?

_____

Mrs. Jackson's Car

(4, 140)

Mr. Padilla's Car

$m = 42g$ where m represents the number of miles and g represents the number of gallons