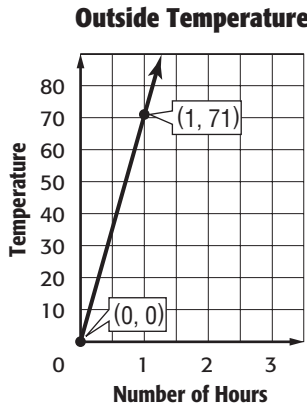# Lesson 5 Problem-Solving Practice

Compare Properties of Functions

1. Anne kept track of the number of steps she took in a day using a pedometer. The average number of steps she took y per hour x can be represented by the function $y = 700x$. The table below shows the number of steps per hour that Elyse walked. Compare the functions for each person by comparing the number of steps.
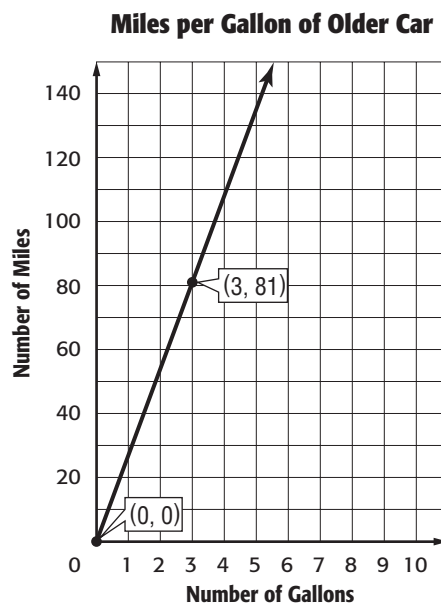
Number of Hours	Number of Steps
1	575
2	1,150
3	1,725

2. The graph shows the outside temperature after a number of hours. The inside temperature y after x hours can be represented by the function $y = 68x$. Compare the functions by comparing the temperatures.

Outside Temperature

3. For every computer that is sold, Kendall receives $250 in commissions. The amount of commissions that Peter receives can be represented by the function $y = 225x$ where y is his commission and x is the number of computers sold. How much more does Kendall receive in commissions than Peter if they both sell 5 computers?

4. A new car gets 33 miles per gallon of gas. The graph shows the number of miles y that an older car gets per gallon x of gas. Compare the miles per gallon for each car.

Miles per Gallon of Older Car