Write Equations of Lines

Solve Problems 1–6.

1. The graph shows the relationship between the amount Jeff saved and the number of weeks he saved. Write the equation for the graph.

![Graph of Line](image)

2. The graph shows the relationship between the number of piano lessons taken and the total cost of the lessons. Choose the equation that shows the rule of the graph.

A $y = 5x - 3$
B $y = 3x + 5$
C $y = 5x + 3$

3. The graph shows the relationship between the cost of play tickets and the number of people buying tickets. Write the equation for the graph.

![Graph of Line](image)

4. The graph shows the relationship between the number of people in a paddle boat and the cost of renting a paddle boat. Choose the equation that shows the rule of the graph.

A $y = 2x - 4$
B $y = 2x + 4$
C $y = 4x + 2$

5. The cost to rent bowling shoes is $5 per night. The cost to bowl is $4 per game. Write an equation that represents the cost of renting bowling shoes and playing $x$ games in one night.

![Graph of Line](image)

6. A car is traveling at 25 mph. The driver turns onto the highway and begins to increase speed. The car’s speed increases at a rate of 5 mph each second. Write an equation that represents the car’s speed after $x$ seconds.

![Graph of Line](image)