

CHAPTER 4

Chapter Test A

For use after the chapter "Writing Linear Equations"

102% Excellent HW

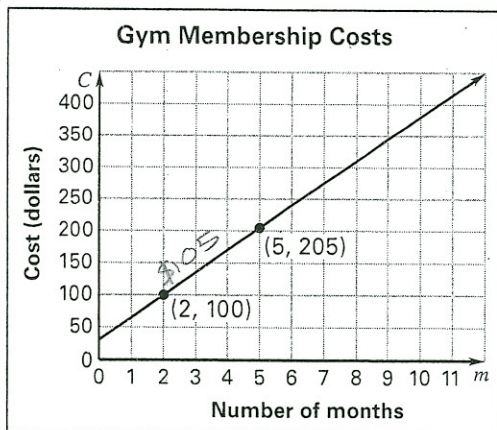
Write an equation in slope-intercept form of the line that has the given slope and y-intercept.

1. slope: -2 ; y-intercept: 0 2. slope: $\frac{3}{4}$; y-intercept: -1

Write an equation in slope-intercept form of the line that passes through the given point and has the given slope m .

3. $(2, -3)$; $m = 3$ 4. $(-1, 0)$; $m = 2$ 5. $(3, -1)$; $m = \frac{2}{3}$

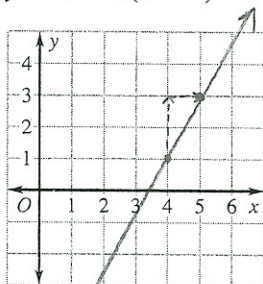
In Exercises 6-9, use the graph that shows gym membership costs.



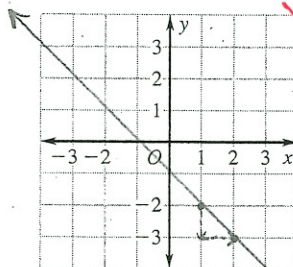
6. How much was the initial membership fee?
 7. What is the cost per month?
 8. Write an equation in slope-intercept form that relates the total cost (in dollars) to the number of months of the gym membership.
 9. Find the cost of a gym membership for one year.

Graph the equation.

10. $y - 1 = 2(x - 4)$



11. $y + 2 = -(x - 1)$



Answers

1. $y = -2x$ ✓
 2. $y = \frac{3}{4}x - 1$ ✓
 3. $y = 3x - 9$ ✓
 4. $y = 2x + 2$ ✓
 5. $y = \frac{2}{3}x - 3$ ✓
 6. $\$30$ ✓
 7. $\$35/\text{month}$ ✓
 8. $y = 35x + 30$ ✓
 9. $\$450$ ✓
 10. \swarrow ✓
 11. \swarrow ✓