

Answers for Lesson 3-5, pp. 132–134 Exercises

1. C

2. Water Loss

Number of Minutes (t)	1	2	3	4
Gallons of Water Lost (g)	0.75	1.5	2.25	3

3. $g = 0.75t$

4. (1, 0.75), (2, 1.5), (3, 2.25), (4, 3)

5.

Time (seconds)	Expression	Total Number of Babies
0	$4(0)$	0
1	$4(1)$	4
2	$4(2)$	8
3	$4(3)$	12
s	$4(s)$	b

$$b = 4s$$

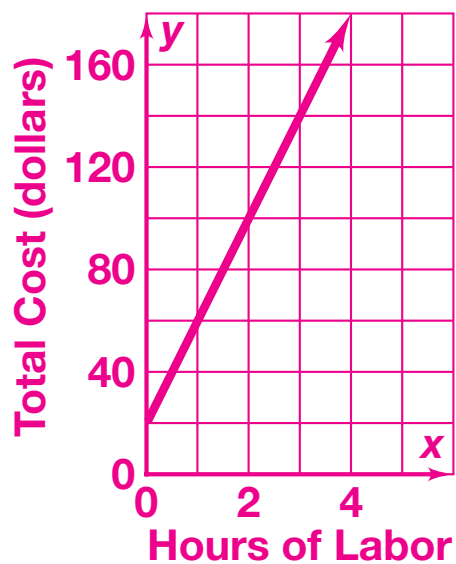
6.

Time (hours)	Expression	Temperature Drop ($^{\circ}\text{F}$)
0	$-2(0)$	0
1	$-2(1)$	-2
2	$-2(2)$	-4
3	$-2(3)$	-6
h	$-2(h)$	t

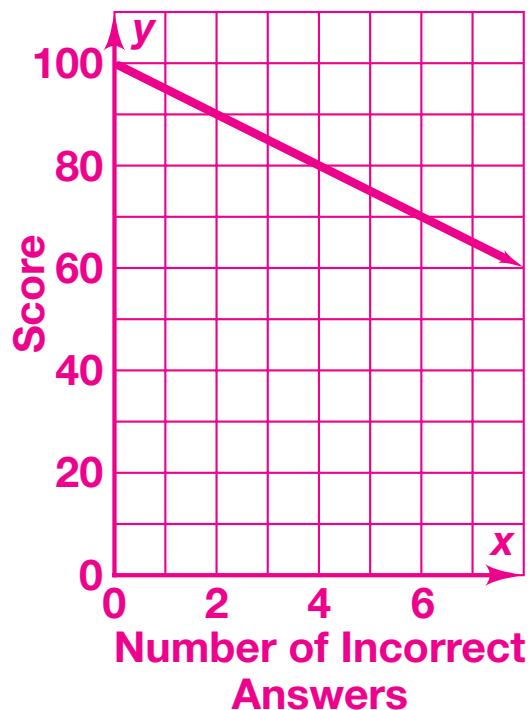
$$t = -2h$$

Answers for Lesson 3-5, pp. 132–134 Exercises (cont.)

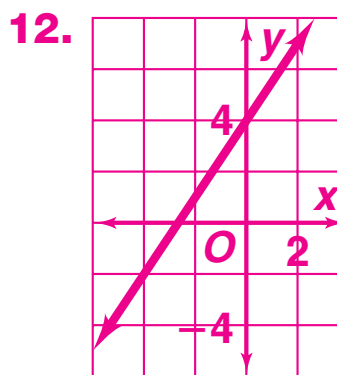
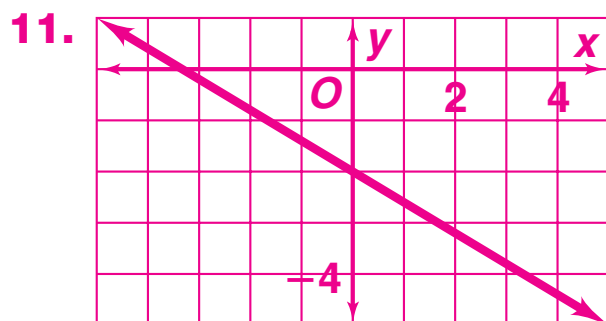
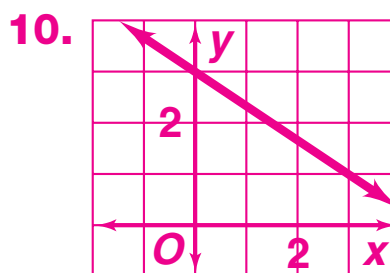
7. Auto Repair Cost



8. Test Score



9. 26 squares



13. A; A is not on the line passing through the other points.

**14. Let m = the number of mugs. Let t = the total cost.
 $t = 8m + 5$**

Answers for Lesson 3-5, pp. 132–134 Exercises (cont.)

15. 6 letters;

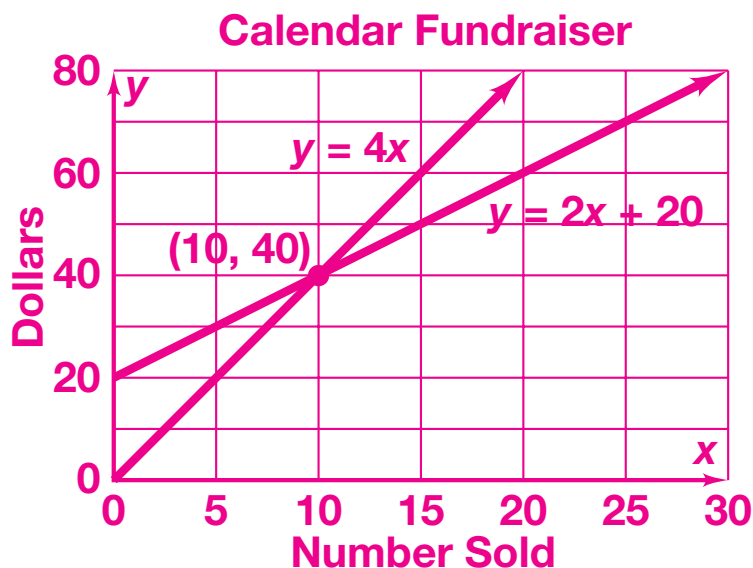
Number of Letters	Expression	Total Cost (dollars)
0	$1.50(0) + 10$	10.00
1	$1.50(1) + 10$	11.50
2	$1.50(2) + 10$	13.00
3	$1.50(3) + 10$	14.50
ℓ	$1.50(\ell) + 10$	c

$$c = 1.50\ell + 10$$

16. 13 lb; check students' methods.

17. Gina; the graph drawn by Gina's father shows the amount owed after Gina gives him \$40 each week, not \$20.

18. Let y = income or expenses. Let x = the number of calendars sold.
 Income: $y = 4x$
 Expenses: $y = 2x + 20$



19. B

20. H

21. B

22. 4

23. 25

24. 44