

Answers without work to check. If you cannot find your mistake then please seek help EARLY! This assignment is worth 4 pts. 1) did you complete it 2) did you show all the work 3) did you correct in pen 4) did you get 75% of the problems correct?

Pg. 229 answers with no work. Check the ones you were supposed to do for your assignment. Ask questions on any in class that you cannot figure out your mistake. Remember odd answers are always in the back of your textbook.

3. $y = \frac{2}{5}x - 7$

4. $y = -3x + 6$

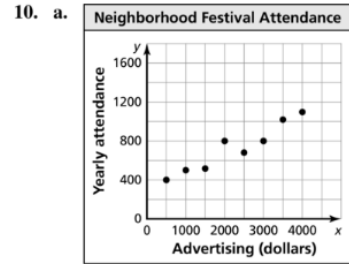
5. $y = 3x - 2$

6. $y = -4x + 5$

7. $y - 2 = 10(x - 6)$

8. $y - 2 = -\frac{1}{3}(x + 3)$ or $y + 1 = -\frac{1}{3}(x - 6)$

9. a. 114
b. row 17



positive correlation

b. *Sample answer:* $y = \frac{1}{5}x + 300$

c. *Sample answer:* The slope of $\frac{1}{5}$ means the attendance increases by about 1 person for every additional \$5 spent on advertising. The y-intercept of 300 means that if no money is spent on advertising, about 300 people attend the festival.

11. a. $y = 0.19x + 309$
b. $r = 0.943$; strong positive correlation
c. more or less evenly dispersed about the horizontal axis
d. There may be a causal relationship in the data but the correlation may be caused by other factors, such as the quality of the attractions each year.
e. \$8900

12. None of the lines are parallel; Lines 1 and 2 are perpendicular; None of the lines have the same slope, but the slope of line 1 is the negative reciprocal of the slope of line 2.