

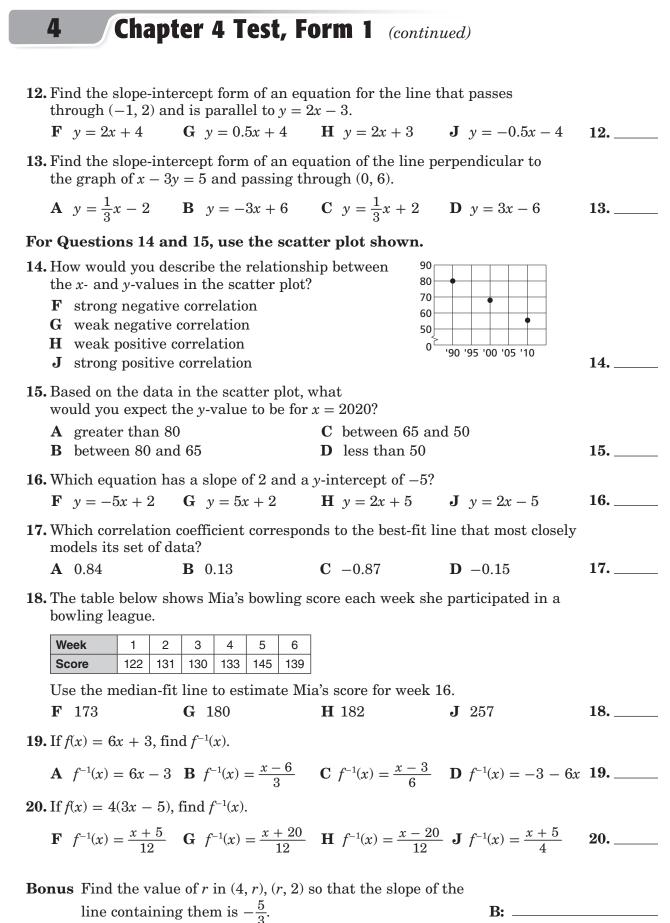
Chapter 4 Test, Form 1 SCORE _____ 4 Write the letter for the correct answer in the blank at the right of each question. For Questions 1–5, find the equation in slope-intercept form that describes each line. **1.** a line with slope -2 and *y*-intercept 4 A y = -2x**B** y = 4x - 2 **C** y = -2x + 4 **D** y = 2x - 41. **2.** a line through (2, 4) with slope 0 $\mathbf{F} \quad \mathbf{v} = 2$ **G** x = 2**H** v = 4**J** x = 42. **3.** a line through (4, 2) with slope $\frac{1}{2}$ **A** $y = -\frac{1}{2}x$ **B** $y = \frac{1}{2}x^2 - 4$ **C** y = 2x - 10 **D** $y = \frac{1}{2}x$ 3. _____ **4.** a line through (-1, 1) and (2, 3)**F** $y = \frac{2}{3}x + \frac{5}{3}$ **G** $y = -\frac{2}{3}x + \frac{5}{3}$ **H** $y = \frac{2}{3}x - \frac{5}{3}$ **J** $y = -\frac{2}{3}x - \frac{5}{3}$ **4.** 5. the line graphed at the right (3, 1) **A** $y = \frac{2}{3}x - 1$ **C** $y = \frac{2}{3}x + \frac{3}{2}$ 0 **B** $y = \frac{3}{2}x - 1$ **D** $y = \frac{3}{2}x + \frac{3}{2}$ 5._____ 6. If 5 deli sandwiches cost \$29.75, how much will 8 sandwiches cost? **F** \$37.75 **G** \$29.75 **H** \$47.60 **J** \$0.16 6.____ 7. What is the standard form of y - 8 = 2(x + 3)? 7. ____ **C** 2x - y = -14 **D** y - 2x = 11**A** 2x + y = 14**B** y = 2x + 148. Which is the graph of 3x - 4y = 6? \mathbf{F} G Η J x ο x 0 8. **9.** Which is the point-slope form of an equation for the line that passes through (0, -5) with slope 2? **A** y = 2x - 5**B** y + 5 = 2x**C** y - 5 = x - 2 **D** y = 2(x + 5)9._____ **10.** What is the slope-intercept form of y + 6 = 2(x + 2)? **F** y = 2x - 6**G** y = 2x - 2 **H** y = 2x + 6**J** 2x - y = 610. **11.** When are two lines parallel? **A** when the slopes are opposite **B** when the slopes are equal **C** when the slopes are positive

D when the product of the slopes is -1

Chapter 4

11._____

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Chapter 4

Glencoe Algebra 1

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Chapter 4 Assessment Answer Key

Vocabulary Test Page 54	Form 1 Page 55	Page 56
		12. F
	1C	13. _B
1. perpendicular lines	2. <u>H</u>	10
2. inverse relation	3D	
3. scatter plot	4F	14. F
4. parallel lines		
correlation 5. coefficient	5. <u>A</u>	15. D
	6. <u>H</u>	16. <u>J</u>
6. linear interpolation	7. <u>C</u>	17 C
linear 7. extrapolation 8. slope-intercept	8. <u>H</u>	
noint-slope		18. <u>H</u>
9. Sample answer: A line of fit is a line that comes close to the data points for a scatter plot, even if all the data 10. points do not lie on that line.	9. <u>B</u> 10. <u>G</u>	19C
Sample answer: Linear extrapolation is the process of using a linear equation to predict a <i>y</i> -value for an		20. _G
x-value that lies beyond the extremes of the domain of 11. the relation.	11. <u>B</u>	В:7