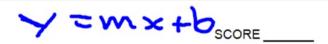
Chapter 4 Test, Form 2C



1. Write a linear equation in slope-intercept form to model the situation: A telephone company charges \$28.75 per month plus \$0.10 a minute for long-distance calls.

2. skip

3. Write the slope-intercept form of an equation for the line graphed at the right.

2 5 2

4. Graph the line with a y-intercept of 3 and slope $-\frac{3}{4}$.

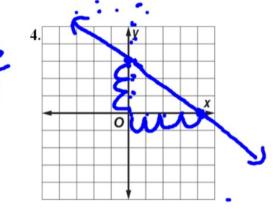
24

5 Write an equation in clone intercent form for the line that nacces through

77.10×+28.75

2.

3. Y=3x-2



e. Tritte an equation in proper intercept form for the line that pubbed a (-1, -2) and (3, 4). 6. skip

- 7. Write an equation in point-slope form for the line that has slope $\frac{1}{3}$ and passes through (-2, 8).

12.

- 7. Write an equation in point-slope form for the line that has slope $\frac{1}{3}$ and passes
- 6.____

- through (-2, 8).
 - $\lambda 8 = \frac{2}{3} (x (-5))$

1.y-8== (x+2)

8. Write the standard form of the equation $y + 4 = -\frac{12}{7}(x - 1)$.

8

$$7y+28 = -12(x-1)$$

$$7y+28 = -12x+12$$

$$7y+28 = +12x -28$$

$$+12x -28$$

$$-16$$

Chapter 4

61

Glencoe Algebra 1

10. Write the slope-intercept form	of the	equation (of the line	parallel to the
graph of $2x + y = 5$ that passes	throug	sh (0, 1).		

9. _____

11. Write the slope-intercept form of the equation of the line perpendicular to the graph of $y = -\frac{3}{2}x - 7$ that passes through (3, -2).

10. ソェースメナ)

12. A scatter plot of data showing the percentage of total Internet users who visited an online store on a given day in December includes the points (2008, 2.0) and (2010, 4.5). Write the slope-intercept form of an equation for the line of fit.

NAME

11. y=3x-4

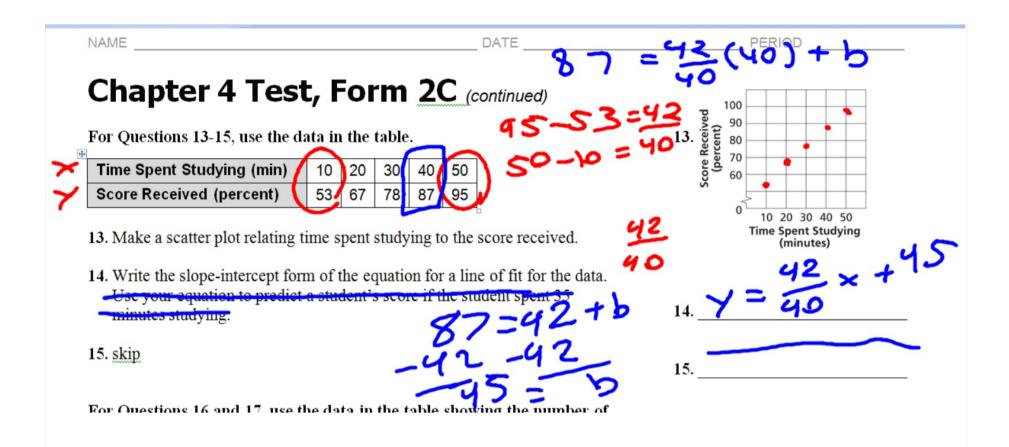
12._____

 $\begin{array}{c}
(1) & y = wx + b \\
-2 & 3 + b \\
-2 & 2 + b
\end{array}$ DATE



12. A scatter plot of data showing the percentage of total Internet users who visited an online store on a given day in December includes the points (2008, 2.0) and (2010, 4.5). Write the slope-intercept form of an equation for the line of fit.

 $\frac{4.5-2.0}{2010-1008} = \frac{2.5}{2}$ $\frac{4.5-2.0}{2010-1008} = \frac{2.5}{2}$ $\frac{5}{4} = m$ $\frac{4.5-2.0}{2008} + b$ $\frac{5}{4} = m$ $\frac{4.5-2.0}{2} = \frac{2.5}{29.0}$ $\frac{5}{4} = m$ $\frac{7}{4} = m$



	×	•	
•	>	,	

ie e					
Decade	1940s	1950	1970s	1990s	2000s
Seats	23	30	43	52	53

Source: Office of the Clerk, U.S. House of Representatives

- 16. Find an equation for the median-fit line.
- 17. Predict the number of seats apportioned to California in the 1930s
- 18. skip

19. If
$$f(x) = \frac{5-4x}{15}$$
, find $f^{-1}(x)$.



20. Write the inverse of 6x + 8y = 13 in $f^{-1}(x)$ notation.

19. If
$$f(x) = \frac{5-4x}{15}$$
, find $f^{-1}(x)$.

20. Write the inverse of
$$6x + 8y = 13$$
 in $f^{-1}(x)$ notation.

$$\frac{19.(29)}{-8} = \frac{6}{4} + \frac{8}{4} = 1$$

$$\frac{6}{6} = 13 - 8x$$

20. Write the inverse of
$$6x + 8y = 13$$
 in $f^{-1}(x)$ notation.

