

Name: _____

No work No credit

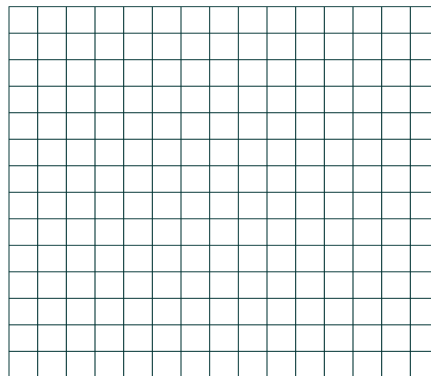
Date: _____

CW # 2-2: Algebra 1 - Sections 5-1 to 5-6

20 points

1. Write an equation in **slope-intercept** form. Graph the equation.

$(3, -2)$; slope $\frac{1}{3}$

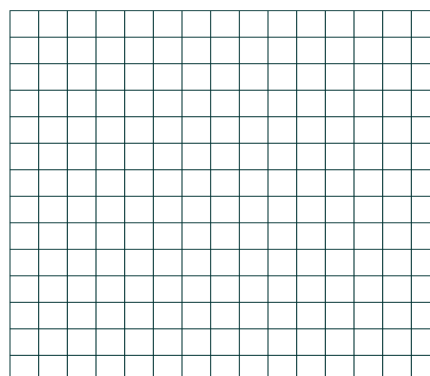


2. Write an equation in **slope-intercept** form.

$y + 2 = \frac{1}{6}(x - 4)$

3. Write an equation in **slope – intercept** form.
Sketch the graph of the equation.

$(2, 7)$, $(-2, 1)$



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CW # 2-2: Algebra 1 - Sections 5-1 to 5-6

20 points

4. Write the equation in **Standard form**.

$$y + 7 = -\frac{3}{2}(x + 1)$$

5. Given the following points:

$(-4, 9), (2, -9)$

- Write the equation in **point – slope form**.
- Convert the equation to **slope – intercept form**.

6. Write the equation of a line that is **perpendicular** to $y = 3x + 1$ and goes through the point $(6, 5)$

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CW # 2-2: Algebra 1 - Sections 5-1 to 5-6

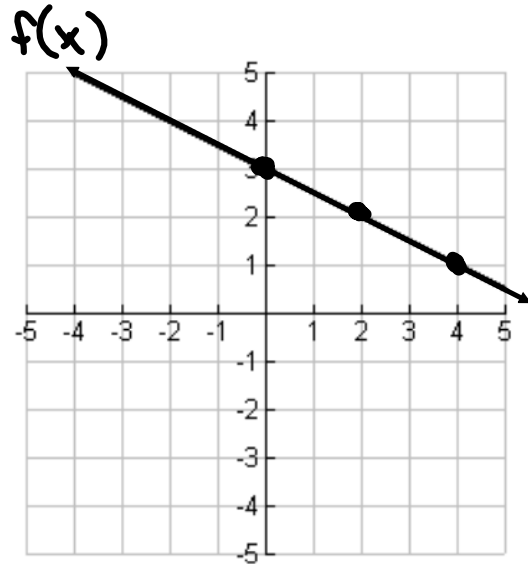
20 points

8. Find the inverse for each relation.

$$\{(1, -3), (-2, 3), (5, 1), (6, 4)\}$$

$$\{(-5, 7), (-6, -8), (1, -2), (10, 3)\}$$

9. Sketch the graph of the inverse for the given function $f(x)$.



10. Given $f(x)$, find $f^{-1}(x)$

$$f(x) = -4x + 8$$