Mastery Algebra 1 Sample Mastery Quiz 5-3B Name: KEY

Per: ____

5-3B More Slope-Intercept Form

In 1-4, Write the equation of the line described, in **slope-intercept form:**

1. $y - 4 = \frac{1}{2}(x - 10)$

$y - 4 = \frac{1}{2}x - 5$

$y = \frac{1}{2}x - 1$

2. $-2x - 7y = 28$

$\frac{-7y}{-7} = \frac{2x}{-7} + \frac{28}{-7}$

$y = -\frac{2}{7}x - 4$

3. slope is -1, passing through $(2, -3)$

$-3 = -1(2) + B$

$-3 = -2 + B$

$-1 = B$

$y = -x - 1$

4. passing through $(-1, 6)$ and $(1, 2)$

$m = \frac{2-6}{1+1} = \frac{-4}{2} = -2$

$2 = -2(1) + B$

$2 = -2 + B$

$4 = B$

$y = -2x + 4$

5. Graph the line $3x - y = 4$

$-y = -3x + 4$

$y = 3x - 4$