NAME_____DATE_____PER._____

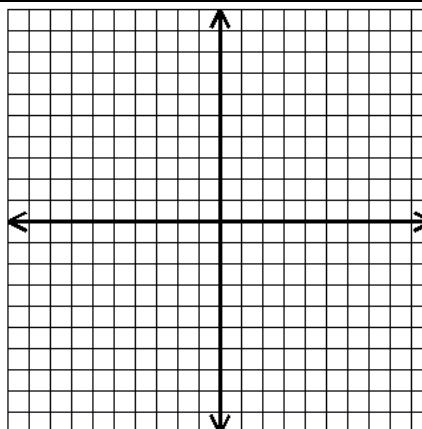## *WRITING THE EQUATIONS OF LINES GIVEN 2 POINTS - DAY 2*

Write the equation of the line in slope-intercept form using the given information.

1. _____	(4, -7) and (0, 5)
2. _____	x-intercept of -4 and y-intercept of 2
3. _____	slope of $\frac{2}{3}$ and passes through the point (-6, 4)
4. _____	horizontal line through (-2, -1)
5. _____	<table><tr><td>**x**</td><td>**y**</td></tr><tr><td>2</td><td>-3</td></tr><tr><td>4</td><td>1</td></tr><tr><td>6</td><td>5</td></tr></table>
6. _____	y-intercept of -2 and a slope of $\frac{2}{5}$

7. _____	vertical line through (-4, 7)
8. _____	y-intercept of 1 and x-intercept of -3
9. _____	horizontal line through (-9, -3)
10. _____	vertical line through (5, 2)
11. _____	x-intercept of 2 and y-intercept of 5

12. Graph $3x - 7y = 14$

Answers in random order: $x = -4$, $x = 5$, $y = -3x + 5$, $y = \frac{2}{3}x + 8$, $y = \frac{3}{7}x - 2$, $y = 2x - 7$, $y = -3$, $y = -1$, $y = -\frac{5}{2}x + 5$, $y = \frac{2}{5}x - 2$, $y = \frac{1}{2}x + 2$, $y = \frac{1}{3}x + 1$