

Practice: Writing Equations of Parallel and Perpendicular Lines Name _____

For each scenario, write the equation of the line in point-slope, slope intercept, AND standard form.

1. Parallel to the graph of $y = \frac{1}{2}x + 6$ and whose y-intercept is -2 .	2. Parallel to $3x - 5 = y$ with a y-intercept of $(0, -7)$
3. Parallel to $9x + 3y = 8$ and passes through $(-1, -4)$.	4. Perpendicular to $y = -4x + 7$ with a y-intercept of 3.
5. Perpendicular to $3y = 2x - 3$ and passes through $(-6, 4)$	6. Perpendicular to $x + y = 1$ with an x-intercept of 4.