NAME: ______ HW 3.4 – WRITING LINEAR EQUATIONS (PARALLEL/PERPENDICULAR) DATE: ______ ALGEBRA 1A

Write the standard form of the equation of the line through the given point and parallel to the given line: 1. y = 5x - 5 (1,3)

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

3.
$$x + 4y = 8$$
 (4, 1)

Write the standard form of the equation of the line through the given point and perpendicular to the given line:

4. y = 5x + 2 (5,0)

5.
$$y = -\frac{3}{2}x + 1$$
 (-3,1)

6.
$$3x - 8y = -16 (3, -4)$$