Geometry
Name_____ ID: 1

Writing Equations of Perpendicular Lines

Date_____ Period_____

Write the slope-intercept form of the equation of the line described.

1) through: $(3, 0)$, perp. to $y = -\dfrac{3}{2}x + 3$

2) through: $(-1, 2)$, perp. to $y = -\dfrac{1}{3}x + 4$

3) through: $(5, 5)$, perp. to $y = -\dfrac{5}{6}x - 5$

4) through: $(-4, 2)$, perp. to $y = 4x + 1$

5) through: $(-4, -1)$, perp. to $y = 2x + 5$

6) through: $(-1, -3)$, perp. to $y = -\dfrac{1}{6}x + 5$

7) through: $(-1, 3)$, perp. to $y = -x - 3$

8) through: $(4, -4)$, perp. to $y = -4x + 4$