Show all work to earn credit. Box your answers. Name_____ ID: 1

Parallel/Perpendicular Equations HOMEWORK Date DUE_____ Period____

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

1) through: $(-5, 2)$, parallel to $y = -\frac{1}{5}x - 5$

2) through: $(4, 1)$, parallel to $y = 3x$

3) through: $(-2, 3)$, parallel to $y = -\frac{8}{5}x - 4$

4) through: $(3, -5)$, parallel to $x = 0$

5) through: $(1, 2)$, parallel to $y = \frac{2}{5}x + 5$

6) through: $(5, 5)$, perp. to $y = -\frac{5}{2}x - 3$

7) through: $(2, -4)$, perp. to $y = \frac{2}{5}x - 5$

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

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

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