Writing equations of perpendicular lines

Date_____ Period____

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

1) through: $(-5, 5)$, perp. to $y = \frac{4}{5}x + 3$

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

3) through: $(5, 4)$, perp. to $y = 5x - 5$

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

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

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

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

8) through: $(5, 3)$, perp. to $y = -5x + 3$

9) through: $(2, -5)$, perp. to $y = \frac{1}{3}x - 3$

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

11) through: $(-3, -5)$, perp. to $y = -5$

12) through: $(2, 1)$, perp. to $y = -\frac{1}{3}x - 5$

13) through: $(5, -1)$, perp. to $y = \frac{3}{2}x + 2$

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

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

16) through: $(-1, 2)$, perp. to $x = 0$

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

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

19) through: $(-5, -2)$, perp. to $y = -8x + 4$

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