

Unit 2 Language Of Geometry
Day 11 Parallel and Perpendicular Lines Worksheet
(PH Lesson 3-6)

Name: _____
Date: _____ Hour: _____

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

21) through: $(3, 3)$, parallel to $y = 2x - 3$

22) through: $(-2, 5)$, parallel to $y = -4x - 1$

23) through: $(-1, 3)$, parallel to $x = 0$

24) through: $(-2, -5)$, parallel to $y = 3x - 4$

25) through: $(5, 1)$, parallel to $y = -4$

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

27) through: $(-4, 1)$, parallel to $y = \frac{3}{4}x - 4$

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

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

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

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

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

33) through: $(5, -3)$, perp. to $y = \frac{5}{7}x - 4$

34) through: $(4, 5)$, perp. to $y = -\frac{1}{2}x - 2$

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

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

37) through: $(-2, 0)$, perp. to $y = -\frac{2}{5}x - 5$

38) through: $(3, 3)$, perp. to $y = -\frac{3}{7}x - 5$

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

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