Intermediate Algebra Skill
__Writing Equations of a Line__

Write the Standard form of an equation, given the following properties:

1) Slope= -1; y-intercept= 1

2) Slope = 8/5; y-intercept= -5

3) Slope= -7; y-intercept= 3

4) Slope= -1/4; y-intercept= -5

5) Through (3,-4); slope= -2/3

6) Through (-4,4); slope= -4/5

7) Through (-5,-3); slope= 5/9

8) Through (-3,5); slope= -4/3

9) Through (2,2) and (-1,-2)

10) Through (4,-5) and (-2,-3)

11) Through (0,2) and (4,0)

12) Through (0,3) and (-5,-2)

13) Through (-2,-2) and parallel to $y = \frac{7}{2}x - 5$

14) Through (2,3) and parallel to $y = 3x - 2$

15) Through (4,-3) and perpendicular to $y = \frac{1}{2}x - 2$

16) Through (2,5) and perpendicular to $y = -\frac{1}{4}x - 2$

Answers to Writing Equations of a Line

1) $x+y=1$
2) $8x-5y=25$
3) $7x+y=3$
4) $x+4y=-20$
5) $2x+3y=-6$
6) $4x+5y=4$
7) $5x-9y=2$
8) $4x+3y=3$
9) $4x-3y=2$
10) $x+3y=-11$
11) $x+2y=4$
12) $x-y=-3$
13) $7x-2y=-10$
14) $3x-y=3$
15) $2x+y=5$
16) $4x-y=3$