## 6-3 Equation of Lines in Slope intercept form

Name:	Time> Start: Finish: Total Time =
Remember that $y = mx + A$ helpful equation to rem	b is the equation of a line in slope-intercept form. nember is that $y - y_1 = m(x - x_1)$ .
1	Find the equation of the line, in slope intercept form, that goes through the point $(2, 8)$ and has a slope of -3.
2	Find the equation of the line, in slope intercept form, that goes through the point $(-1, -2)$ and has a slope of $\frac{1}{2}$ .
3.	Find the equation of the line, in slope intercept form, that goes through the point $(2, 8)$ and $(3, 10)$ .
4	Find the equation of the line, in slope intercept form, that goes through the point $(-1, -8)$ and $(-3, -12)$ .
5.	Find the equation of the line, in slope intercept form, that goes through the point $(0, 4)$ and has a slope of -5.
6	Find the equation of the line, in slope intercept form, that goes through the point $(0, 8)$ and $(2, 10)$ .
7.	Give the equation of the line, in slope intercept form, that is parallel to $y = 8x - 5$ and passes through the point (1, 20).
8	Give the equation of the line, in slope intercept form, that is parallel to $y = 2x - 1$ and passes through the point (3, 9).
9.	Give the equation of the line, in slope intercept form, that is perpendicular to $y = 2x - 5$ and passes through the point (2, 8).
1	0. Give the equation of the line, in slope intercept form, that is perpendicular to $y = 4x - 5$ and passes through the point (4, 12).