$\qquad$
Write an equation, in slope-intercept form, of the line that has the given slope and $y$-intercept.
1.) $m=0, b=2$
2.) $m=-\frac{5}{4}, b=7$
3.) $m=6, b=0$

Write an equation, in slope-intercept form, of the line that passes through the given point and has the given slope.
4.) $(3,-1), m=-3$
5.) $(-4,3), m=2$
6.) $(-4,2), m=\frac{3}{2}$

Write an equation of the line, in slope-intercept form, that passes through the given point and satisfies the given condition.
7.) $(-3,-5)$; parallel to $y=-4 x+1$
8.) $(4,1)$; perpendicular to $y=\frac{1}{3} x+3$
9.) $(2,8)$; parallel to $-6 x+2 y=-4$
10.) $(3,-1)$; perpendicular to $8 x-2 y=-2$

Write an equation of the line, in slope-intercept form, that passes through the given points.
11.) $(-1,3),(2,9)$
12.) $(-2,-3),(2,-1)$
13.) $(-5,-2),(-3,8)$

Write an equation in standard form $A x+B y=C$ of the line that satisfies the given conditions. Use integer values for $A, B$, and $C$.
14.) $m=-\frac{3}{2}$, passes through $(4,-7)$
15.) passes through $(-1,3)$ and $(-6,-7)$

Write an equation of the line that passes through the point $(3,4)$ and satisfies the given condition.
16.) Parallel to $y=-2$
17.) Perpendicular to $y=-2$
18.) Parallel to $x=-2$
19.) Perpendicular to $x=-2$

Graph the equation using any method (make it clear which method you used to graph).
20.) $3 x=-\frac{1}{2} y-1$

21.) $5 x-y=3$

22.) $y=2 x+6$


