For 1 - 3, write an equation of the line with the given slope and $y$-intercept (SLOPE-INTERCEPT FORM).

1. $m=4, b=-4$
2. $m=\frac{4}{3}, b=6$
3. $m=8, b=0$

For 4 - 9, write an equation of the line that passes through the given point and has the given slope.
(POINT-SLOPE FORM)
4. $(2,1), m=-2$
5. $(-4,3), m=5$
6. ( $7,-5$ ), m = 1
(SLOPE-INTERCEPT FORM)
7. $(-1,-10), m=3$
8. $(5,-2), m=-1$
9. $(-3,-7), \mathrm{m}=2$

For 10 - 12, write an equation of the line that passes through the given points. (SLOPE-INTERCEPT FORM)
10. $(-2,1) \&(2,4)$
11. $(-3,-1) \&(3,2)$
12. $(4,-2) \&(6,-3)$

For 13 - 15, write an equation of the line that passes through the given points.
(STANDARD FORM)
13. $(3,-7) \&(-2,3)$
14. $(-6,1) \&(-5,4)$
15. $(10,-4) \&(6,-10)$

For 16 - 18, write an equation of the line that passes through the given point and is PERPENDICULAR to the given line.
16.
$(1,3), y=2 x-1$
17.
$(1,1), x-2 y=14$
18. $(7,-3), y=8$

For 19 - 21, write an equation of the line that passes through the given point and is PARALLEL to the given line.
19. $(-2,1), y=2 x+5 \quad$ 20. $(10,-12), 3 x+4 y=4 \quad$ 21. $\quad(-3,-5), y=12+x$

For 22:
A) Graph the equation on the axis using slope-intercept form.
B) Graph a PARALLEL line to the given equation though ( $0,-1$ ).
C) Graph a PERPENDICULAR line to the given equation through the $y$-intercept.
22. $y=3 x+4$


