$\qquad$
$\qquad$ Period: $\qquad$
Determine the horizontal/ $x$-intercept and vertical/ $y$-intercept. Then sketch its graph.

1. $2 x-y=3$
H.int. $\qquad$
2. $x+y=-2$
H.int. $\qquad$
3. $2 x-3 y=7$
H.int. $\qquad$
V.int. $\qquad$


4. $-x+2 y=4$

5. $3 y=12$
H.int. $\qquad$
V.int. $\qquad$

6. $4 x=-8$
H.int. $\qquad$
V.int. $\qquad$

7. The equations of lines $k, p$, and $m$ are given below:

$$
\begin{aligned}
& k: x+2 y=6 \\
& p: 6 x+3 y=12 \\
& m:-x+2 y=10
\end{aligned}
$$

8. The equations of lines $k, m$, and $n$ are given below:

$$
\begin{aligned}
& k: 3 y+6=2 x \\
& m: 3 y+2 x+6=0 \\
& n: 2 y=3 x+6
\end{aligned}
$$

Which statement is true?
a. $\quad p$ is perpendicular to $m$
b. $m$ is perpendicular to $k$
c. $k$ is parallel to $p$
d. $m$ is parallel to $k$

Which statement is true?
a. $n$ is perpendicular to $m$
b. $m$ is perpendicular to $k$
c. $k$ is parallel to $m$
d. $m$ is parallel to $n$

True or False?
9. The line $3 x+5 y=7$ has slope $3 / 5$.
10. The line $4 x+3 y=52$ intersects the $x$-axis at $x=13$.
11. The lines $y=8-3 x$ and $-2 x+16 y=8$ both cross the $y$-axis at $y=8$.
12. If two lines never intersect then their slopes are equal.
13. The equation of a line parallel to the $y$-axis could be $y=-0.75$.
14. The line parallel to the $x$-axis has slope zero.
15. The slope of the line perpendicular to $y=-7$ is undefined.
16. Write a linear function for the line that passes through the point $(3,4)$ and is parallel to the $x$-axis.
17. Write the equation of the line parallel to the line whose equation is $4 x+3 y=7$ and also passes through the point $(-5,2)$.
18. Write an equation of a line which passes through $(6,9)$ and is perpendicular to the line whose equation is $4 x-6 y=15$ ?

