$\qquad$

Write in point-slope form the equation of the line that is parallel to the given line and passes through the given point. Your final answer should be in slope-intercept form.

1. $y=x+5,(-1,-1)$
2. $y=-3 x+1,(2,4)$
3. $y=\frac{1}{4} x-6,(3,3)$
$\mathrm{m}=$ $\qquad$
point $\qquad$ point-slope: $\qquad$
$\mathrm{m}=$ $\qquad$
point $\qquad$
point-slope: $\qquad$ point-slope: $\qquad$
final: $\qquad$
4. $y=2 x-11,(3,4)$
$\mathrm{m}=$ $\qquad$
point $\qquad$ point-slope: $\qquad$
final: $\qquad$ final: $\qquad$
5. $y=\frac{1}{2} x,(8,-10)$
$\mathrm{m}=$ $\qquad$
point $\qquad$
point-slope: $\qquad$
6. $y=\frac{1}{3} x+4,(-4,-4)$
$\mathrm{m}=$ $\qquad$
point $\qquad$
point-slope: $\qquad$
final: $\qquad$ final: $\qquad$ final: $\qquad$
Write in slope-intercept form the equation of the line that is parallel to the line in the graph and passes through the given point.
7. 


$\mathrm{m}=$ $\qquad$ point $\qquad$
point-slope: $\qquad$
final: $\qquad$ (graph this equation)

Write in slope-intercept form the equation of the line that is parallel to the line in the graph and passes through the given point.

$\mathrm{m}=$ $\qquad$
point $\qquad$
point-slope: $\qquad$
9

$\mathrm{m}=$ $\qquad$ point $\qquad$
point-slope: $\qquad$
final: $\qquad$ final:
(graph this equation)
10. What is the slope-intercept form of the equation of the line parallel to the line in the graph that passes through the point $(-1,1)$ ? After completing the work, circle your final answer and graph it on the grid.
A. $y=2 x-3$
B. $y-3=2(x-1)$
C. $y=-2 x+3$
D. $y=2 x+3$


Use point-slope form to write an equation in slope-intercept form of the line that is perpendicular to the given line and passes through the given point.
11. $y=3 x-1,(1,-3)$
$\mathrm{m}=$ $\qquad$
point $\qquad$
point-slope: $\qquad$
12. $y=-\frac{1}{2} x+4,(8,5)$
13. $y=x+2,(3,0)$
$\mathrm{m}=$ $\qquad$
point $\qquad$
point-slope: $\qquad$
$\qquad$ final: $\qquad$ final: $\qquad$
14. $y=\frac{7}{8} x,(0,3)$
$\mathrm{m}=$ $\qquad$
point $\qquad$
point-slope: $\qquad$
15. $y=-\frac{2}{3} x+4,(-4,6)$
16. $y=-2 x+8,(-3,1)$
$\mathrm{m}=$ $\qquad$ $\mathrm{m}=$ $\qquad$
point $\qquad$
point-slope: $\qquad$ point-slope: $\qquad$ final: $\qquad$ final: $\qquad$

Write in slope-intercept form the equation of the line that is perpendicular to the line in the graph and passes through the given point.

$m=$ $\qquad$
point $\qquad$
point-slope: $\qquad$
18.

$\mathrm{m}=$ $\qquad$
point $\qquad$ point-slope: $\qquad$
final:
(graph this equation)

19
$\mathrm{m}=$ $\qquad$
final:
(graph this equation)
20.

$\mathrm{m}=$ $\qquad$
point $\qquad$
point-slope: $\qquad$
final:
(graph this equation)
final:
(graph this equation)

