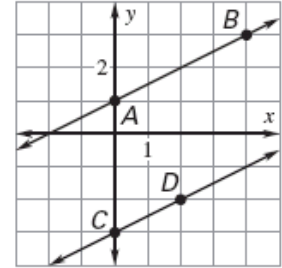
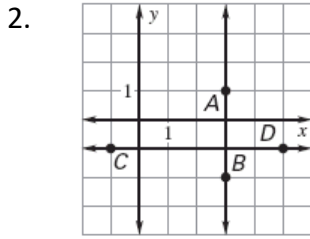


1. Are the lines parallel? You must have work that supports your answer.

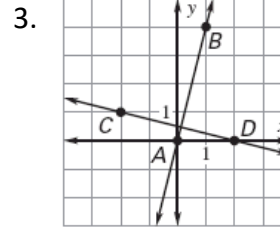


Parallel?: _____

Are the lines perpendicular? You must have work that supports your answer.



Perpendicular? _____



Perpendicular? _____

Tell whether the lines through the given points are *parallel*, *perpendicular*, or *neither*. You must have work that supports your answer.

4. Line 1: (1, 1), (3, 3)
Line 2: (2, 2), (0, 4)

5. Line 1: (-2, 3), (-5, 2)
Line 2: (4, 1), (5, 3)

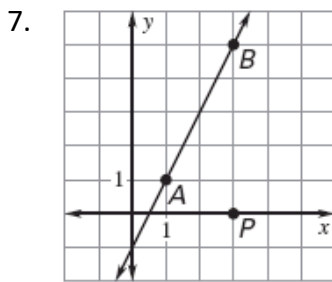
6. Line 1: (-3, 4), (1, 2)
Line 2: (6, 2), (8, 1)

These lines are _____

These lines are _____

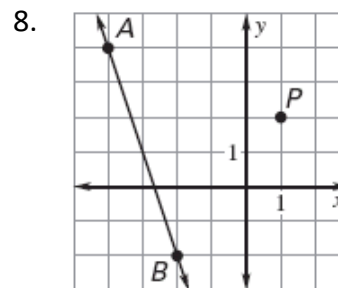
These lines are _____

Graph the line parallel to line AB that passes through point P . Identify your line's slope and y -intercept.



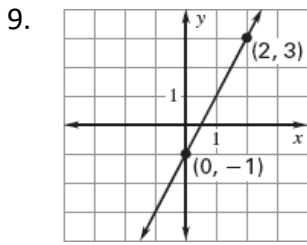
$m =$ _____ y -int: _____

Graph the line perpendicular to line AB that passes through point P . Identify your line's slope and y -intercept.

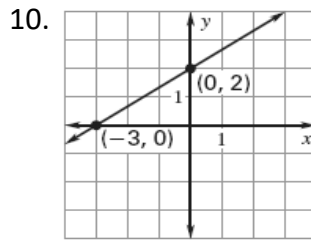


$m =$ _____ y -int: _____

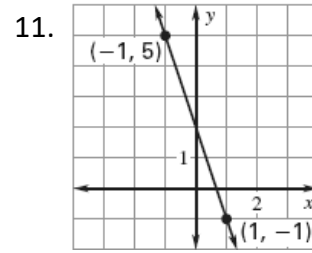
Write an equation (in Slope-Intercept Form) of the line shown.



Equation: _____



Equation: _____



Equation: _____

12. Write an equation of the line that passes through the point $P(3,0)$ and is parallel to $y = 6$.

Equation: _____

13. Write an equation (in S-I form) of the line that passes through point $P(1,3)$ and is parallel to $y = 2x - 2$.

Equation: _____

14. Write an equation (in S-I form) of the line that passes through point $P(3, -2)$ and is perpendicular to $y = -\frac{1}{3}x - 3$

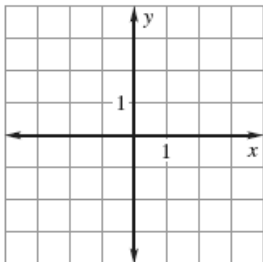
Equation: _____

15. Write an equation of the line that passes through point $P(-2, 5)$ and is perpendicular to $x = 5$.

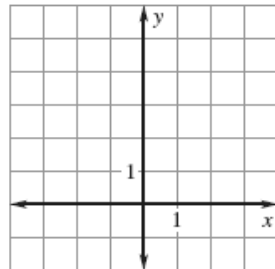
Equation: _____

Graph the equation. Depending on your method of graphing, identify either: (1) the slope and y-int., or (2) your x- and y-intercept

16.) $3x + y = 2$



17.) $4x + 2y = 8$



18.) $2y + 1 = 3x + 5$

