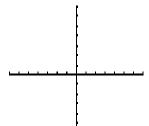
## SHOW ALL WORK ON THIS TEST OR ON SEPARATE PAPER.

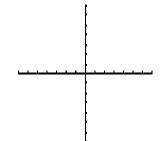
In 1 - 8, graph the equations and inequalities. (Show work for partial credit!)

1. 
$$y = -2x + 1$$

2. 
$$y = 2x$$

3. 
$$y = \frac{3}{4}x + 2$$

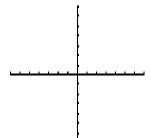


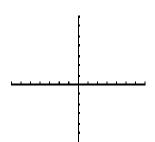


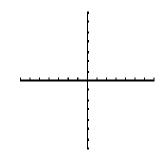
4. 
$$3x - 2y = -6$$
 5.  $4y + x = 8$ 

5. 
$$4y + x = 8$$

6. 
$$x = 2$$



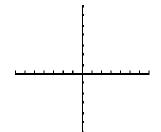


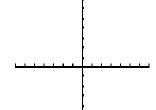


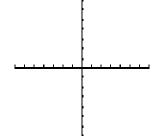
7. 
$$y < -2x - 4$$

7. 
$$y < -2x - 4$$
 8.  $-3x + 2y \ge -12$  9.  $4x - 3y < -12$ 

9. 
$$4x - 3y < -12$$







10. 
$$y = 6 - 3x$$

11. 
$$3x - 2y = 6$$
 12.  $y = 6$ 

12. 
$$y = 6$$

13. 
$$x = 6$$

14. 
$$y = 2x + 4$$

15. 
$$2x - 3y = 6$$

In 16 - 19, find the slope of a line

16. between 
$$(-1, -3)$$
 and  $(2, 9)$ 

17. between 
$$(-2, 5)$$
 and  $(4, -3)$ 

18. between 
$$(-2, 0)$$
 and  $(0, 3)$ 

b) perpendicular to a line whose slope is 2.

20. 
$$-2x + y = 8$$
  
  $3x - y = 2$ 

21. 
$$-3x + 5y = 10$$
  
 $x - y = -6$ 

22. 
$$3x + 5y = 2$$
  
 $2x + 3y = -4$ 

23. 
$$x = 5y + 24$$
  
3  $x - y = 2$ 

24. 
$$x - 2y = -2$$
  
4  $x - 8y = -8$ 

25. 
$$5y - 4x = 22$$
  
 $x = -4y + 5$ 

