

Name: _____

Date: _____

y = number is FLAT. x = number is VERTICAL. Vertical lines are not functions. Last two are challenge problems!

1. Describe the graph of $y = 4$.

show your work

2. Describe the graph of $x = -2$.

show your work

3. What is the slope of $y = 7$?

show your work

4. What is the slope of $x = 3$?

show your work

5. Is $y = 5$ a function?

show your work

6. Is $x = 1$ a function?

show your work

7. Write the equation of the horizontal line through $(6, -3)$.

show your work

8. Write the equation of the vertical line through $(6, -3)$.

show your work

9. A line passes through (2, 5) and (2, -1). Write its equation and slope. ★ CHALLENGE

show your work

10. Rectangle corners at (1,2), (5,2), (5,7), (1,7). Give the equations of all four sides. ★ CHALLENGE

show your work