

Name: _____

Date: _____

Use the coordinate-plane sheet from the Graph Paper tab. Vertical line test: if any vertical line hits twice, it is NOT a function. Last two

1. Plot the points (1,2), (2,4), (3,6) on a coordinate plane. Do they line up?

show your work

2. A graph is a full circle. Function or not? Why?

show your work

3. A graph is a straight slanted line. Function or not?

show your work

4. Make a table for $y = x + 3$ using $x = 0, 1, 2, 3$, then plot the points.

show your work

5. Make a table for $y = 2x - 1$ using $x = 0, 1, 2, 3$, then plot.

show your work

6. The graph of $y = x^2$: make a table with $x = -2, -1, 0, 1, 2$ and plot.

show your work

7. A 'V' shaped graph (absolute value). Function or not?

show your work

8. A graph is a sideways 'C'. Function or not?

show your work

9. Sketch $y = -x + 4$ from a table ($x = 0..4$). Where does it cross each axis? ★ CHALLENGE

show your work

10. Plot $y = x^2 - 4$ for $x = -3..3$. State where the graph crosses the x-axis. ★ CHALLENGE

show your work