

B

$$y = 3x + 5$$

H

$$y = -\frac{1}{3}x - 1$$

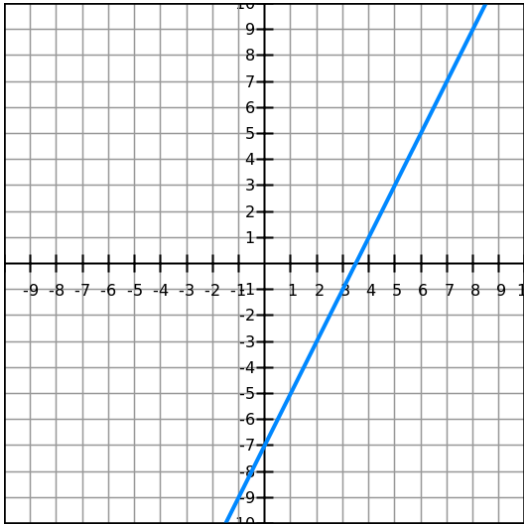
D

$$y = 2x$$

C

$$y = \frac{1}{2}x - 3$$

F



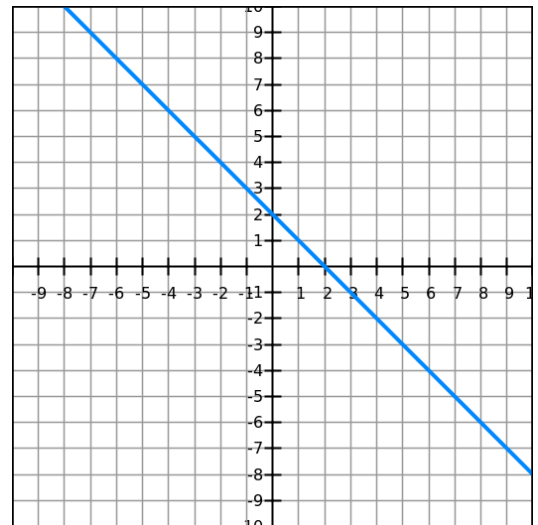
A

x	y
-2	9
-1	7
0	5
1	3
2	1

G

x	y
-2	0
-1	-1
0	-2
1	-3
2	-4

O



I

$$y = \frac{3}{4}x - 1$$

K

$$y = \frac{3}{4}x + 9$$

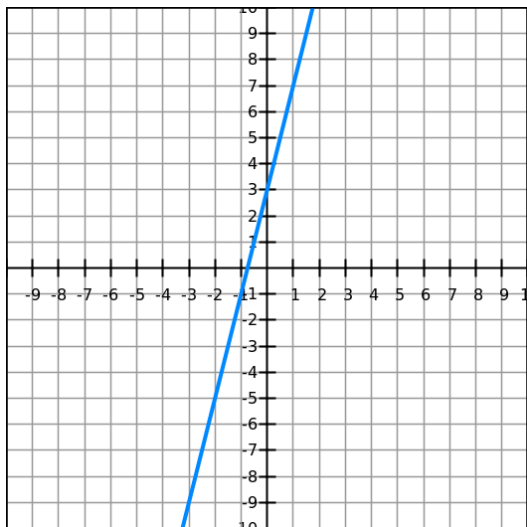
M

x	y
-2	4
-1	7
0	10
1	13
2	16

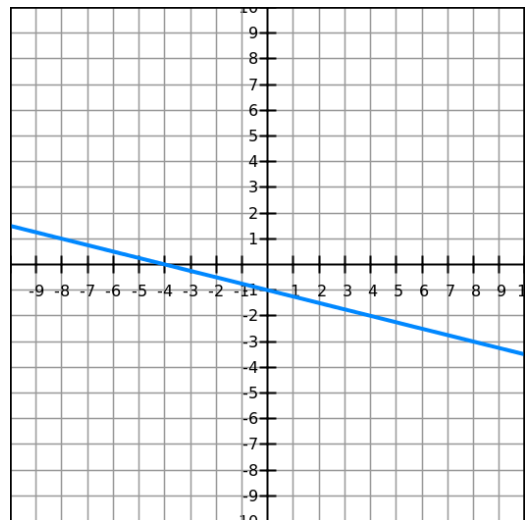
L

x	y
-2	2
-1	5
0	8
1	11
2	14

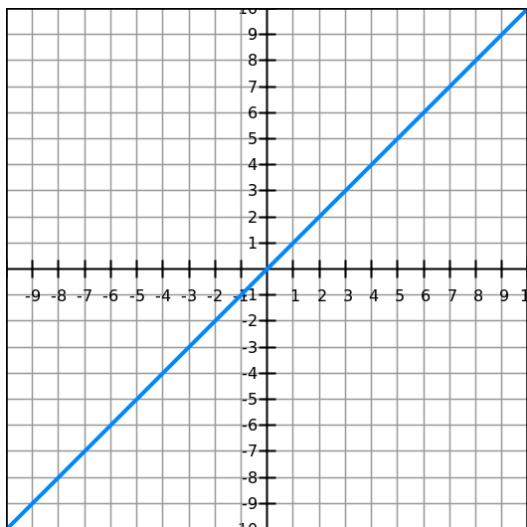
J



H



N



E

x	y
-2	2
-1	1
0	0
1	-1
2	-2

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Per: \_\_\_\_\_

### Parallel and Perpendicular Matching Activity

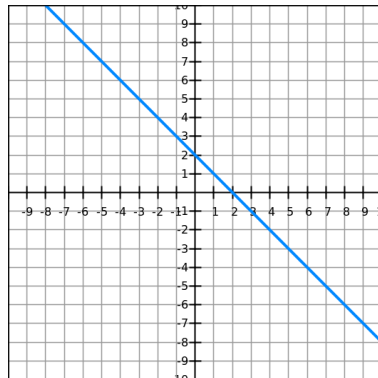
**Directions:** Match each equation, graph, and table to its corresponding **parallel** or **perpendicular** line. Record the letters of your pairs in the table below.

These lines are <b>PARALLEL</b> $\parallel$	These lines are <b>PERPENDICULAR</b> $\perp$
1. _____ $\parallel$ _____ slope= _____	5. _____ $\perp$ _____
2. _____ $\parallel$ _____ slope= _____	6. _____ $\perp$ _____
3. _____ $\parallel$ _____ slope= _____	7. _____ $\perp$ _____
4. _____ $\parallel$ _____ slope= _____	8. _____ $\perp$ _____

**Directions:** Cards O and G are a match. Determine if they are **parallel** or **perpendicular**. Show your work.

9.

O



G

x	y
-2	0
-1	-1
0	-2
1	-3
2	-4

Parallel or Perpendicular? \_\_\_\_\_



## SOLUTIONS

These lines are <b>PARALLEL</b> $\parallel$	These lines are <b>PERPENDICULAR</b> $\perp$
1. <u>  D  </u> $\parallel$ <u>  F  </u> slope= <u>  2  </u>	5. <u>  B  </u> $\perp$ <u>  H  </u>
2. <u>  O  </u> $\parallel$ <u>  G  </u> slope= <u> -1  </u>	6. <u>  A  </u> $\perp$ <u>  C  </u>
3. <u>  M  </u> $\parallel$ <u>  L  </u> slope= <u>  3  </u>	7. <u>  J  </u> $\perp$ <u>  H  </u>
4. <u>  I  </u> $\parallel$ <u>  K  </u> slope= <u><math>-\frac{3}{4}</math></u>	8. <u>  N  </u> $\perp$ <u>  E  </u>