

From Equations to Tables to Graphs

1. Complete a table for each equation. Graph your findings.

EQUATION

TABLE

GRAPH

To complete the table:

- Choose a number for x or y
- Find the value of the other variable

To graph:

- Use graph paper
- Remember:

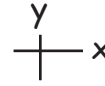


Table:

1a.	$x + y = 5$	2a.	$x = y$	3a.	$2x + 2y = 24$	4a.	$x^2 = y$
b.	$x - y = 2$	b.	$2x = y$	b.	$20 - 3x = y$	b.	$x^2 + 2 = y$
c.	$x + y = -1$	c.	$2x - 1 = y$	c.	$3x + 2 = y$	c.	$24 = x(y)$

2. Look for patterns in the graphs.

How are the graphs alike? How are they different?

3. Some graphs slant to the right. Some slant to the left.

Can you tell from the equation which ones will slant left? Right?