

Graphing Linear Equations

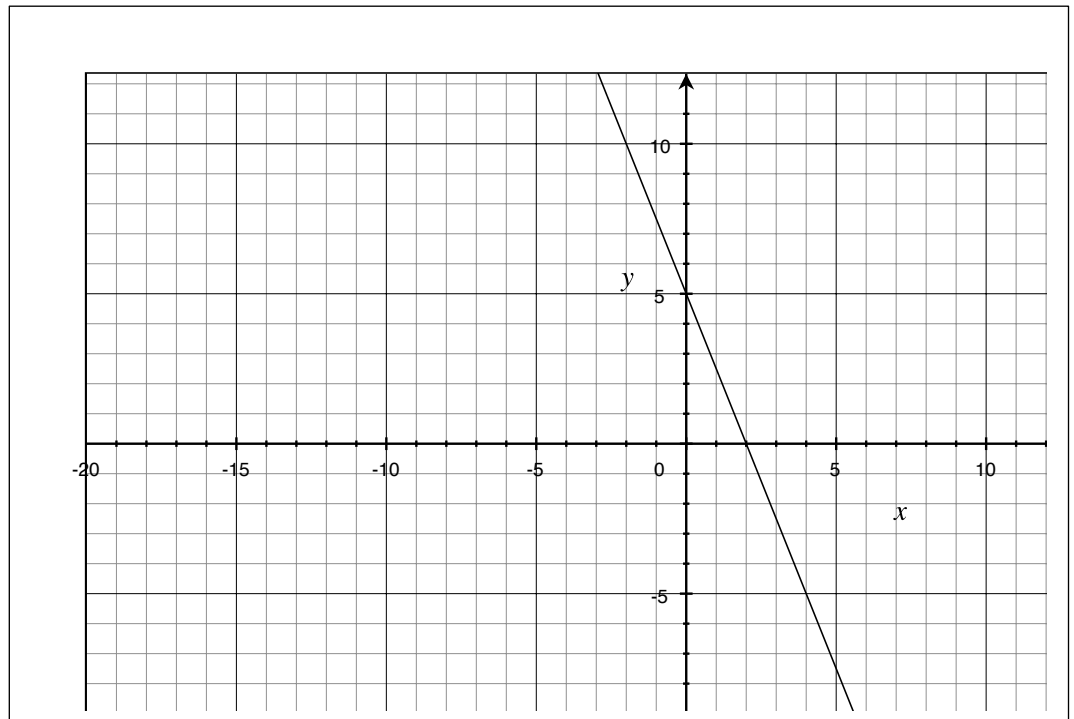
To graph

1. Solve for y
2. Make an x-y chart
3. Pick convenient values of x
4. Find corresponding values of y
5. Plot the ordered pairs
6. Draw line through the points

Example: Graph $5x + 2y = 10$

$$2y = 10 - 5x$$
$$y = 5 - \frac{5}{2}x$$

| <u>x</u> | <u>y</u> |
|----------|----------|
| 0 | 5 |
| 1 | 5/2 |
| 2 | 0 |
| -1 | 15/2 |



With fractions, convenient values are 0 and multiples of the denominator