

Lesson 1 Content

Equation

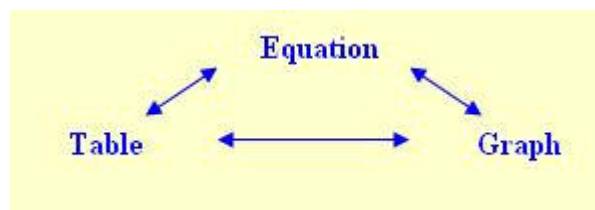
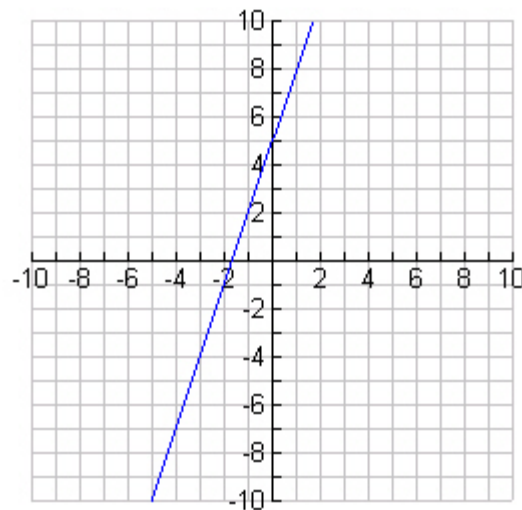
Chart

Graph

Graph

$$f(x) = 3x + 5$$

x	y1(x) 3x + 5
-3	-4
-2	-1
-1	2
0	5
1	8
2	11
3	14



1. Given the functions:

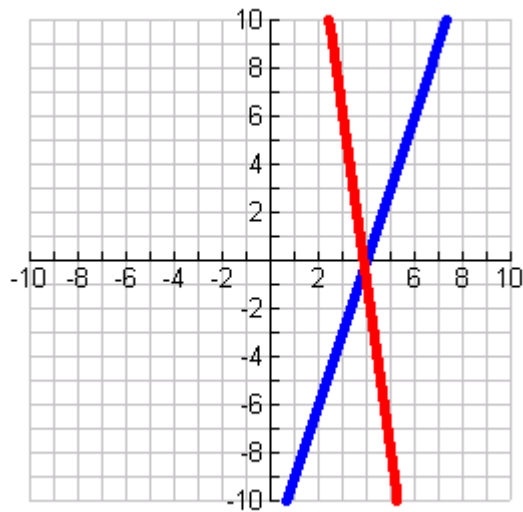
$$f(x) = 3x - 12 \quad g(x) = 27 - 7x$$

Answer the following questions:

- Which is greater, $f(3)$ or $g(0)$?
- Which is greater, $f(6)$ or $g(4)$?
- Find $f(3)$
- Find $g(1)$

2. Given the functions: red line = $f(x)$

blue line = $g(x)$



Answer the following questions:

- Which is greater, $f(3)$ or $g(0)$?
- Which is greater, $f(6)$ or $g(4)$?
- Find $f(3)$
- Find $g(1)$

3. Given the functions:

x	f(x) 3x - 12	g(x) 27-7x
-6	-30	69
-5	-27	62
-4	-24	55
-3	-21	48
-2	-18	41
-1	-15	34
0	-12	27
1	-9	20
2	-6	13
3	-3	6
4	0	-1
5	3	-8
6	6	-15
7	9	-22
8	12	-29
9	15	-36

Answer the following questions:

- a) Which is greater, $f(3)$ or $g(0)$?
- b) Which is greater, $f(6)$ or $g(4)$?
- c) Find $f(3)$
- d) Find $g(1)$