

BE-ALGEBRA I

TUESDAY 10-7-08

Use the $F(x)Tg$ METHOD TO GRAPH:

① $-4x + y = 3$

② $y = \frac{1}{x}$

ANSWERS

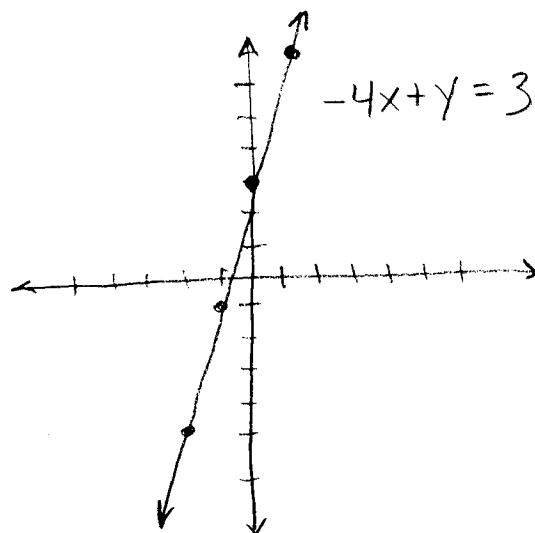
① $-4x + y = 3$

$+4x \quad +4x$

$y = 4x + 3$

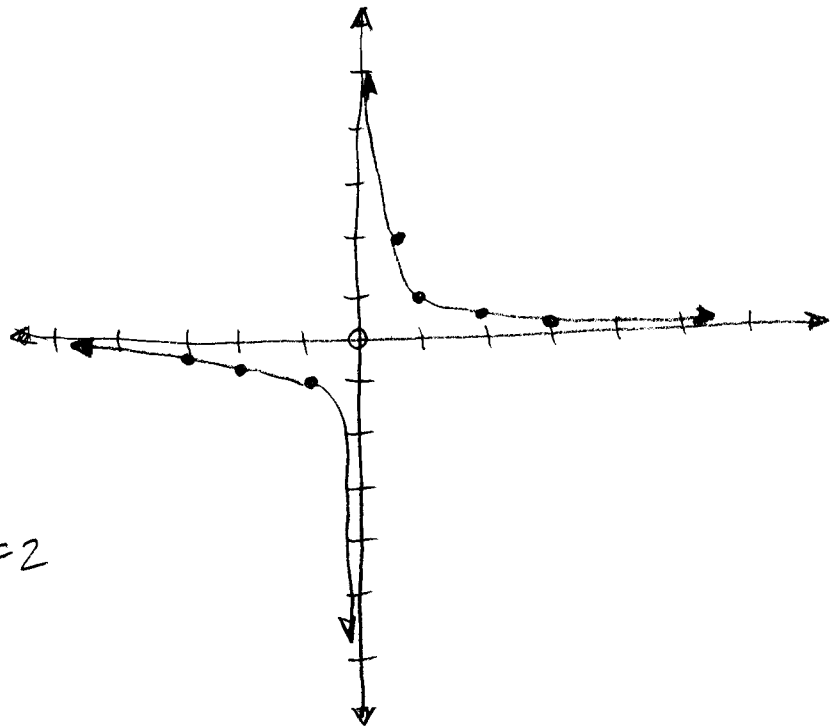
$y =$

x	$4x + 3$
-2	$4(-2) + 3 = -5$
-1	$4(-1) + 3 = -1$
0	$4(0) + 3 = 3$
1	$4(1) + 3 = 7$
2	$4(2) + 3 = 11$



②

x	$y = \frac{1}{x}$
-2	$\frac{1}{(-2)} = -\frac{1}{2}$
-1	$\frac{1}{(-1)} = -1$
0	$\frac{1}{(0)} = \text{UNDEFINED}$
1	$\frac{1}{(1)}$
2	$\frac{1}{(2)}$
$\approx$	
3	$\frac{1}{3}$
4	$\frac{1}{4}$
10	$\frac{1}{10}$
1000	$\frac{1}{1000}$
-3	$-\frac{1}{3}$
$\frac{1}{2}$	$\frac{1}{(\frac{1}{2})} = 1 \cdot \frac{2}{1} = 2$
$\frac{1}{3}$	3
$\frac{1}{10}$	10



EXAM 2 TOPICS

Ch. 4-6 Functions

- Define, identify, use function notation

Ch. 3-6 Proportions

- Define, properties of proportions

Ch. 3 $\Rightarrow$ Solving Equations

- GRE, undo
- Consecutive integer problems

Ch. 2 $\Rightarrow$ • Sign Rules / Fraction Rules

Ch. 1 $\Rightarrow$ • "Like" Terms $\Rightarrow$ Define

- Distributive Property
- Order of Operations
- Graphs

Practice: End of Chapter Study Guide & Review

Ch. 4-6 Pg. 249 Read Concept Summary
Do # 37 to 45

Ch 3-6 Pg 182 Read Concept Summary
Do # 39 to 44
(use cross-products!)

Ch 3-4 Pg 181 # 27, 29, 31

Ch 3-5 Pg 182 # 33, 34, 37

Ch 3-8 Pg 184 # 50, 51

Ch 2-2 Pg 111 # 19 to 24

Ch 2-3 Pg 111 # 29 to 33

Ch 2-4 Pg 112 # 40 to 45

Ch 1-2 Pg 58 # 24 to 27, # 30 to 32

Ch 1-5 Pg 60 # 60 to 65

Ch 1-8 Pg 61 # 80

Homework: Continue Review FOR Exam 2.