

Name_____

Review #13

1. Draw a rectangular model of $(x+4)(x+5)$, then write it in expanded form.

2. What property are each of the following:

a. $3(x+4)=3x+12$

b. $3*5=5*3$

c. $(3+4)+9=3+(4+9)$

d. $2+7=7+2$

e. $0+6=6$

f. $3(5*6)=(3*5)6$

g. $1*7=7$

3. Solve the following equation for the given variable. show your work

a. $4t - 7 = 55$

b. $3x + 8 = 10$

c. $15x + 3 = -21x - 6$

4. Complete the following tables:

a

X	Y
-3	-19
-2	-16
-1	-13
0	-10
1	-7
2	-4
3	-1

b

x	y
-3	.375
-2	.75
-1	1.5
0	3
1	6
2	12
3	24

c

X	Y
-3	-7
-2	-3
-1	1
0	5
1	9
2	13
3	17

5. Write an equation for the following tables.

a.

B.

c.

6. Evaluate the linear function $f(x)=3x +5$

a. $f(2)$

b. $f(9)$

c. $f(x) = 20$

d. $f(x) = 23$