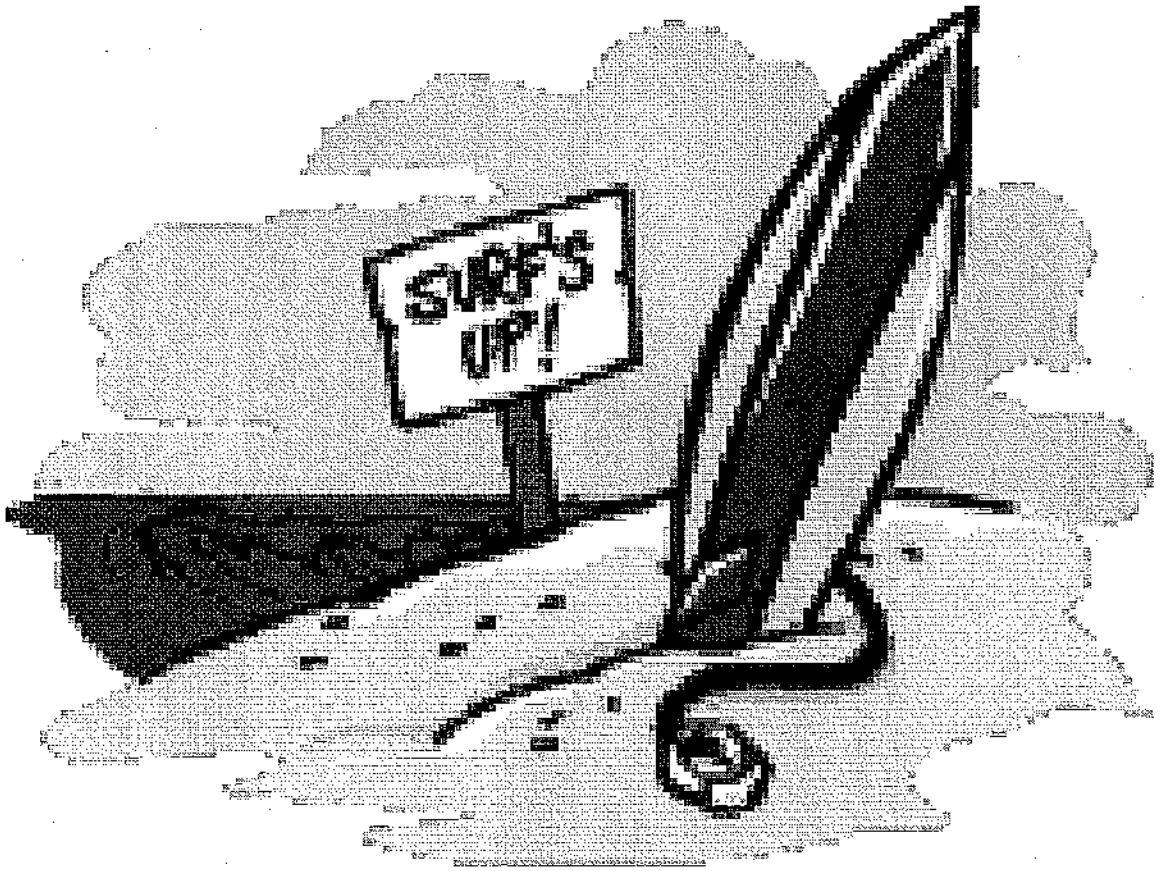
My 'What-To-Do" when I'm bored this summer Skill Refresher Packet

For students taking <u>ALGEBRA I</u> in the fall

E-mail any questions
kgushrowski@mcas.k12.in.us



This will be <u>GRADED</u> when school begins in the fall.

Dear Parent/Guardian:

In preparation for next year's Algebra I course, your child is being asked to complete this Skill Refresher Packet over the summer. This is not intended to be time consuming. If your student is having difficulty with a page, please let me know and I can share some resources with you that will help your student master the needed skill. Being well-prepared for the fall will be a great benefit to your student.

This packet will be collected and graded when school starts in the fall.

Sincerely,

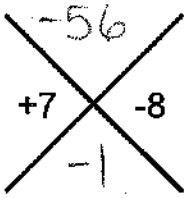
Kathleen Gushrowski

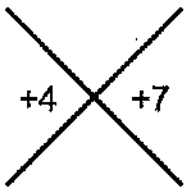
kgushrowski@mcas.k12.in.us

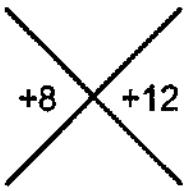
Diamond Math Problems

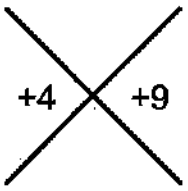
Name: _____ Date: _____

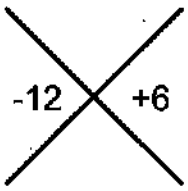
Complete the diamond problems. The top cell contains the *product* of the numbers in the left and right cells, while the bottom cell contains the *sum*.

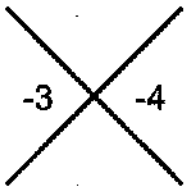
(1) 

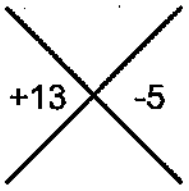
(2) 

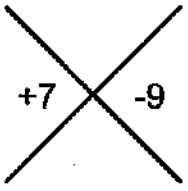
(3) 

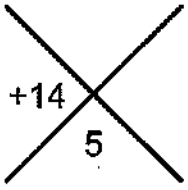
(4) 

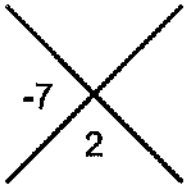
(5) 

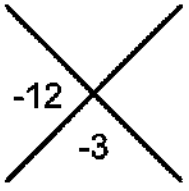
(6) 

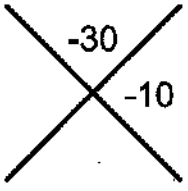
(7) 

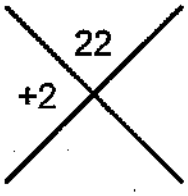
(8) 

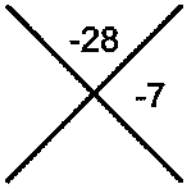
(9) 

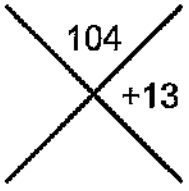
(10) 

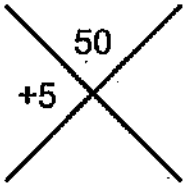
(11) 

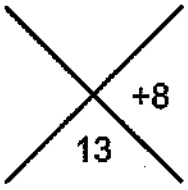
(12) 

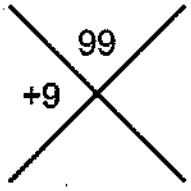
(13) 

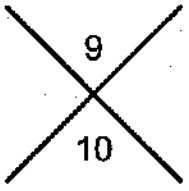
(14) 

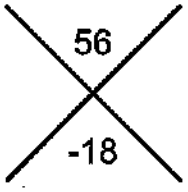
(15) 

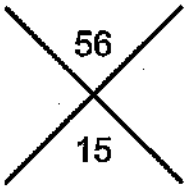
(16) 

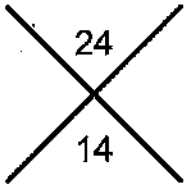
(17) 

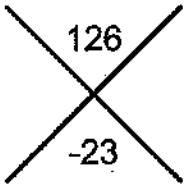
(18) 

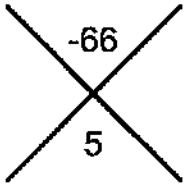
(19) 

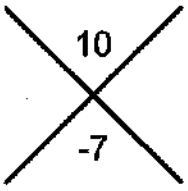
(20) 

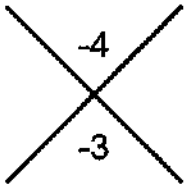
(21) 

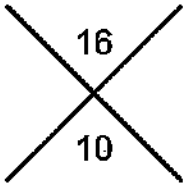
(22) 

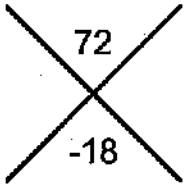
(23) 

(24) 

(25) 

(26) 

(27) 

(28) 

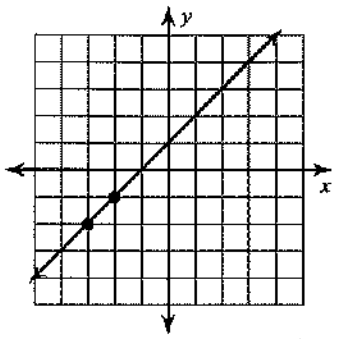
Algebra 1 Name_____ ID: 1

Summer Skill Packet - Fall 2020

Date_____ Block____

Find the slope of each line.

1)



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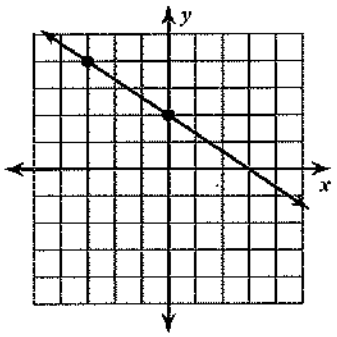

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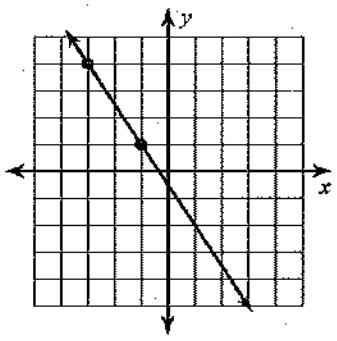

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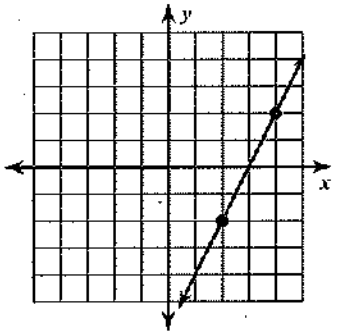

Find the slope of the line through each pair of points.

5) $(-14, 10), (-11, 19)$

6) $(0, 18), (13, -7)$

7) $(-14, 19), (-9, -10)$

8) $(-2, -14), (0, -2)$

9) $(14, 11), (19, -11)$

10) $(2, -9), (-7, 8)$

11) $(-18, -3), (-1, 5)$

12) $(8, -12), (-17, 18)$

Use the Order of Operations to Simplify. You must SHOW YOUR WORK for credit.

13) $\frac{26 \cdot 2}{4} + 3 - 14$

14) $14 - \left(5 - \frac{29 + 1}{10}\right)$

15) $5^2 - (1 + 10 + 3)$

16) $\frac{5 \cdot 3}{13 + 2}$

17) $13 \cdot \frac{7 \cdot 5}{15 - 10}$

18) $13 + 6 - 4 + 13 - 6$

19) $12 \cdot 5 - (13 - (11 - 2))$

20) $15 - \left(14 - \frac{12}{11 - 8}\right)$

21) $\frac{36}{8 - (2 + 6 - 4)}$

22) $\frac{40 \cdot 2}{4 + 4}$

23) $\frac{12}{2} + 13 - (9 - 4)$

24) $(8 + 4) \cdot 13 - 4 - 8$

Solve each equation. You must SHOW ALL WORK for credit.

25) $84 = 8 + 4(7 - 3x)$

26) $3(1 + 7a) = 87$

27) $-8 - 6(4 - 7v) = -116$

28) $97 = -5x + 2(-4x + 3)$

29) $-106 = -7(x + 8) - 8$

30) $95 = 8(-2x - 2) - 1$

31) $-16 + 8b = -6(4b + 8)$

32) $v - 3(-8 - v) = 29 + 3v$

33) $36 + 6x = -7 + 6(x + 6)$

34) $-23 - 7n = 2(2n - 6)$

35) $-8(5x + 4) = 4 - 4x$

36) $20 + 4r = 2r + 5(3r + 4)$