

FOR ALL STUDENTS  
TAKING COMMON CORE  
ALGEBRA I  
**HONORS**

2018-2019

SUMMER REVIEW PACKET

CCHS MATH DEPARTMENT

Dear Student and Parent/Guardian,

The math department at Catholic Central High school wants you to be successful in CC Algebra II. This summer packet is designed to help you review necessary skills. Be sure to follow the key information below when completing this packet:

- The packet is due when you return to school in September.
- **Every problem must be completed. None left blank.**
- The packet is worth 10 times a regular homework grade.
- Work must be shown to receive credit – no work, no points. Show the work on the packet pages. Do NOT add additional pages.
- Final answers must be shown on the answer pages at the back of the packet.
- A quiz covering the material from the packet may be given at the end of the first week of school. These topics also tie in with the first few units of CC Algebra II
- All topics covered in the packet should be completed without the aid of a calculator. If it is decided to give a quiz on the summer packets, no calculator will be allowed on the quiz.
- When you return in September, you will have an opportunity to ask questions. Math help will also be available during the first week.

We hope that you have an enjoyable summer and return to school ready to be successful in CC Algebra II.

## Order of Operations

When several operations are indicated in a numerical expression, proceed in the following order: work within the parentheses, expand each power, multiply and divide (whichever comes first), and finally, add or subtract (whichever comes first).

**PEMDAS** ("Please Excuse My Dear Aunt Sally") is an acronym that provides a good way to remember your order of operation.

**P:** Parentheses

**E:** Exponents

**MD:** Multiply or Divide, whichever comes first

**AS:** Add or Subtract, whichever comes first

*Simplify.*

1.  $2^4 - 3(3^2 - 8)$

2.  $(4^2 + 10)4 - 10(5^2 - 20)$

3.  $4^2 - 4(5^2 - 32 \div 8 \cdot 4)$

4.  $(8 \cdot 5 \div 10 + 2)(2^5 - 8^2 \div 2)$

5.  $5^2 - 3[6 + (-2)(20 + (-15))]$

6.  $[4^3 + (-10)(30 - 8 \cdot 5)]$

7.  $[15 - 3(4^2 - 10) + 25 \div 5 \cdot 15]$

8.  $\{10 - 5[20 - 2(3^2 + 1)]\}$

9.  $|-32| + 32$

10.  $\frac{48 - 24 \div 2^3}{3 + 2 \cdot 6}$

## Working with Integers

### Adding and Subtracting:

1<sup>st</sup>: Rewrite all subtraction as addition then...

- If the integers have the same signs, add their absolute values. The sum will have the same sign of the addends.
- If the integers have different signs, subtract their absolute values. The sum has the sign of the addend with the greater absolute value.

### Multiplying and Dividing:

- The product or quotient of two integers having the same sign is positive.
- The product or quotient of two integers having different signs is negative.

*Find each sum, difference, product, or quotient.*

1.  $-13 + 19$

2.  $37 + (-13)$

3.  $-18 + (-29)$

4.  $-27 - 93$

5.  $-46 - (-32)$

6.  $9 - 83$

7.  $-45 \div 9$

8.  $-84 \div -12$

9.  $\frac{132}{-11}$

10.  $8(-17)$

11.  $-24 \cdot -6$

12.  $-62(8)$

13. There is a  $6^\circ$  drop in temperature over the past hour. If it is  $55^\circ$  now, what was the temperature an hour ago?
14. It is  $-9^\circ$  now. The temperature will drop  $5^\circ$  in two hours. What will the temperature be in two hours?

## Fractions

(Addition, Subtraction, Multiplication, and Division)

### Miscellaneous

Write the fractions in lowest terms.

1.  $\frac{8}{24}$

2.  $\frac{18}{24}$

3.  $\frac{15x^2y}{20xy}$

4.  $\frac{36abc^4}{45a^3bc^2}$

Solve for  $x$ .

5.  $\frac{16}{48} = \frac{x}{12}$

6.  $\frac{12}{42} = \frac{4}{x}$

7.  $\frac{20}{32} = \frac{x}{16}$

8.  $\frac{6}{9} = \frac{12}{x}$

Write as fractions.

9.  $2\frac{1}{3}$

10.  $-4\frac{6}{7}$

Write as mixed numbers.

11.  $-\frac{9}{4}$

12.  $\frac{38}{3}$

Addition and Subtraction

Find each sum or difference. Write your answer in simplest form.

13.  $-\frac{2}{3} + \frac{1}{4}$

14.  $3\frac{5}{9} + 2\frac{1}{6}$

15.  $\frac{3}{10} - \frac{4}{5}$

16.  $6\frac{7}{10} + \left(-1\frac{1}{5}\right)$

17.  $5\frac{4}{11} - 2\frac{2}{3}$

18.  $2\frac{7}{12} - 9\frac{2}{3}$

Multiplication and Division

Find each product or quotient. Write your answer in simplest form.

19.  $-\frac{5}{6} \cdot \frac{6}{15}$

20.  $-\frac{3}{4} \div \left(-\frac{9}{16}\right)$

21.  $2\frac{2}{5} \cdot \left(-3\frac{3}{4}\right)$

22.  $-3\frac{3}{4} \div 4\frac{2}{3}$

23.  $\frac{2}{9} \cdot \frac{3}{16} \cdot \frac{3}{6}$

24.  $6\frac{3}{4} \div 4$

**Central Tendencies**  
(Mean, Median, Mode, and Range)

**Mean** is the sum of the values in a set of data divided by the number of values.

**Median** is the middle value of a set of data written in ascending order. If there are two middle values, the median is the mean of those values.

**Mode** is the most frequent value in a set of data.

**Range** is the difference between the greatest and least value in a set of data.

Exercises:

**Find the mean, median, mode, and range of each set of data.**

1. 108, 93, 426, 766, 518, 210

2. 21.5, 35.5, 49.5, 16.3, 35.5

## Solving Multi-Step Equations

**Procedure:** To solve multi-step equations...

1. Fully simplify both sides of the equation
2. Get all variables to one side of the equation.
3. Use inverse operations to isolate the variable  
\*\*undo addition and subtraction first\*\*

Ex. 
$$\begin{array}{r} 2x+3=7 \\ \underline{-3 \quad -3} \\ 2x=4 \\ \underline{\div 2 \quad \div 2} \\ \boxed{x=2} \end{array}$$

Ex. 
$$\begin{array}{r} 2(x+5)=3x-5 \\ 2x+10=3x-5 \\ \underline{-2x \quad -2x} \\ 10=x-5 \\ \underline{+5 \quad +5} \\ \boxed{x=15} \end{array}$$

### Exercises

**Solve and check each equation.**

1.  $-2x + 7 = 25$

2.  $3 - 8x = -141$

3.  $15 - 2(w + 5) = 11$

4.  $12 - 4r = 6r + 2$

5.  $-4(n + 5) = -32$

6.  $12 - 2x + 5 = -1$

7.  $3 - 2x = 15$

8.  $\frac{z}{2} - 7 = 12$

9.  $17 + 3x = 4x - 9$


10.  $-3(6f - 12) = 36 - 18f$



## Solving Multi-Step Inequalities


**Note:** Solve a multi-step inequality just like you would solve a multi-step equation. However, if you multiply or divide both sides of an inequality by a negative number, then the inequality sign reverses.

Ex.

$$\begin{array}{r} 2x + 5 > 7 \\ \underline{-5 \quad -5} \\ 2x > 2 \\ \underline{\div 2 \quad \div 2} \\ \boxed{x > 1} \end{array}$$


A number line with tick marks at 0, 1, and 2. An open circle is drawn at 1, and a ray extends to the right from this circle, passing through 2 and continuing.

Ex.

$$\begin{array}{r} 10 \leq -2(x - 4) \\ 10 \leq -2x + 8 \\ \underline{-8 \quad -8} \\ 10 \leq -2x \\ \underline{\div -2 \quad \div -2} \\ \boxed{-5 \geq x \text{ or } x \leq -5} \end{array}$$


A number line with tick marks at -6, -5, and -4. A solid black dot is placed at -5. Two rays extend outwards from this dot: one to the left, passing through -6, and one to the right, passing through -4.

### Exercises

Find and graph the solution set of each inequality.

1.  $3x + 8 > 17$

2.  $-6y + 3 > 9 - 7y$

3.  $2v + 7 \geq 11$

4.  $7 > 3 + \frac{b}{3}$

5.  $\frac{c-2}{3} \leq 4$

6.  $4b + 4 < 4(5 - 3b)$

7.  $2z - 5 < -21 - 2z$

8.  $8b - 10 \geq 6(3 - a)$

9.  $3x - 5 > 6x + 13$

1.  $7(y + 5) - 10 \leq 2y$

## Translating Algebraic Expressions

<b>Addition</b>	<b>Subtraction</b>	<b>Multiplication</b>	<b>Division</b>	<b>Exponents</b>
Plus Increased by More than Sum of	Minus Decreased by Fewer than Less than Difference of	Multiplied by Times Product Twice, One-half, etc. Of ( <i>usually with fractions</i> )	Divided by Quotient of Into	Square of ( $2^{nd}$ <i>power</i> ) Cube of ( $3^{rd}$ <i>power</i> ) Power of

**Write each phrase as an algebraic expression.**

1. 12 more than a number

6. One-third the square of  $b$ .

2. The quotient of a number and 9.

7. Twice the sum of 15 and a number.

3. The difference of a number cubed  
and twelve.

8. Seven less than a number to the  
power of 5.

4. Three less than 5 times a number.

9. Seven more than twice the  
difference of a number and five.

5. A number decreased by 8.

10. The product of  $x$  and 4 increased  
by  $y$ .

**Translate each sentence into an equation.**

11. Fifty-three plus four times  $c$  is 21.
12. The sum of five times  $h$  and twice  $g$  is equal to 23.
13. One fourth the sum of  $r$  and ten is identical to  $r$  minus 4.
14. Three plus the sum of the squares of  $w$  and  $x$  is 32.
15. The area  $A$  of a circle is pi times the radius  $r$  squared.

**Write and solve an equation for each.**

16. Aiden borrows a book from a public library. He read a few pages on day one. On day two, he reads twice the number of pages than he read on day one. On the third day, he reads six pages less than what he read on the first day. If he has read the entire book that contains 458 pages, how many pages did he read on day three?

17. Linda is twice as old as Vera. Tanya is four less than four times the age of Linda. Their total age is two more than nine times the age of Vera. How old is Tanya?

18. On Monday, 222 students went on a trip to the zoo. All 4 buses were filled and 6 students had to travel in cars. How many students were in each bus ?

19. The sum of three consecutive numbers is eighty - four. What is the smallest of the three numbers ?

20. Alyssa sold half of her comic books and then bought 6 more. She now has 16. How many did she begin with?

## Graphing Points on a Coordinate Plane

For each equation, use the given x-coordinates to complete the table. Show your work in the spaces provided. Then, graph the ordered pairs and line on the coordinate plane provided on the answer page.

1.  $y = 3x - 1$

x	y
-2	
-1	
0	
1	
2	

2.  $y = -x + 2$

x	y
-6	
-5	
-1	
4	
7	

3.  $y = -2x - 7$

x	y
-7	
-5	
-2	
0	
1	

4.  $y = \frac{1}{2}x + 3$

x	y
-4	
-2	
0	
2	
4	

5.  $y = \frac{2}{3}x + 4$

x	y
-6	
-3	
0	
3	
6	

## Systems of Equations

### Substitution

Ex:  $y = x - 1$     $y = 2x + 2$

$$x - 1 = 2x + 2$$

$$\begin{array}{r} -x \quad -x \\ \hline -1 = x + 2 \end{array}$$

$$\begin{array}{r} -2 \quad -2 \\ \hline -3 = x \end{array}$$

$$-3 = x$$

$$\downarrow$$

$$y = 2x + 2$$

$$y = 2(-3) + 2 = -4$$

Solution:  $(-3, -4)$

Ex:  $y = x + 1$     $2y = 3x$

$$\downarrow$$
$$2y = 3x$$

$$2(x + 1) = 3x$$

$$2x + 2 = 3x$$

$$\begin{array}{r} -2x \quad -2x \\ \hline 2 = x \end{array}$$

$$2 = x$$

$$\downarrow$$
$$y = x + 1$$

$$y = 2 + 1 = 3$$

Solution:  $(1, 3)$

1.  $2x - 3y = -1$   
 $y = x - 1$

2.  $y = -2$   
 $4x - 3y = 18$

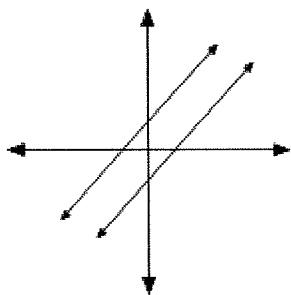
3.  $-7x - 2y = -13$   
 $x - 2y = 11$

4.  $y = 5x - 7$   
 $-3x - 2y = -12$

## Graphing

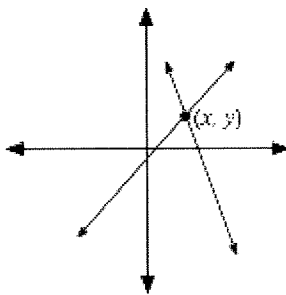
Graph each system of equations on the answer page. Label the intersection point.

Parallel Lines



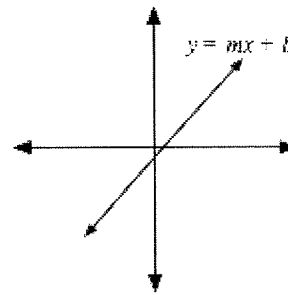
No points in common.  
Solution:  $\emptyset$

Intersecting Lines



One point in common.  
Solution:  $(x, y)$

Coincident Lines



Infinitely many points in common.  
Solution:  $\{(x, y): y = mx + b\}$

1.  $y = \frac{1}{2}x + 2$   
 $y = 3x - 3$

2.  $y = \frac{3}{4}x - 1$   
 $x = -4$

3.  $y = \frac{4}{3}x - 3$   
 $y = 1$

4.  $x - 2y + 8 = 0$   
 $-6 - 2y = -x$

5.  $-2x - y = 1$   
 $-6x = 3y + 3$

# Mixed Review

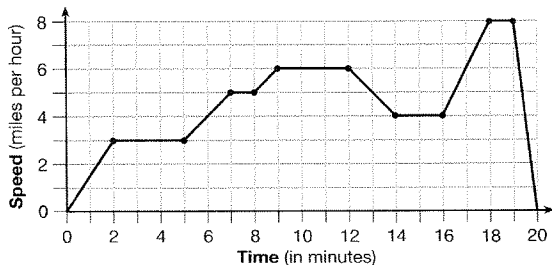
Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. The cost of airing a commercial on television is modeled by the function  $C(n) = 110n + 900$ , where  $n$  is the number of times the commercial is aired. Based on this model, which statement is true?

- A. The commercial costs \$0 to produce and \$110 per airing up to \$900.
- B. The commercial costs \$110 to produce and \$900 each time it is aired.
- C. The commercial costs \$900 to produce and \$110 each time it is aired.
- D. The commercial costs \$1010 to produce and can air an unlimited number of times.

2. The graph below represents a jogger's speed during her 20-minute jog around her neighborhood.



Which statement best describes what the jogger was doing during the 9–12 minute interval of her jog?

- A. She was standing still.
- B. She was increasing her speed.
- C. She was decreasing her speed.
- D. She was jogging at a constant rate.

3. Which table represents a function?

A. 

$x$	2	4	2	4
$f(x)$	3	5	7	9

B. 

$x$	0	-1	0	1
$f(x)$	0	1	-1	0

C. 

$x$	3	5	7	9
$f(x)$	2	4	2	4

D. 

$x$	0	1	-1	0
$f(x)$	0	-1	0	1

4. Mo's farm stand sold a total of 165 pounds of apples and peaches. She sold apples for \$1.75 per pound and peaches for \$2.50 per pound. If she made \$337.50, how many pounds of peaches did she sell?

- A. 11      B. 18      C. 65      D. 100

5. Joey enlarged a 3-inch by 5-inch photograph on a copy machine. He enlarged it four times. The table below shows the area of the photograph after each enlargement.

Enlargement	0	1	2	3	4
Area (sq in)	15	18.8	23.4	29.3	36.6

What is the average rate of change of the area from the original photograph to the fourth enlargement, to the *nearest tenth*?

- A. 4.3    B. 4.5    C. 5.4    D. 6.0

6. The distance a free falling object has traveled can be modeled by the equation  $d = \frac{1}{2}at^2$ , where  $a$  is acceleration due to gravity and  $t$  is the amount of time the object has fallen. What is  $t$  in terms of  $a$  and  $d$ ?

- A.  $t = \sqrt{\frac{da}{2}}$                       B.  $t = \sqrt{\frac{2d}{a}}$   
 C.  $t = \left(\frac{da}{d}\right)^2$                       D.  $t = \left(\frac{2d}{a}\right)^2$

7. Alex is selling tickets to a school play. An adult ticket costs \$6.50 and a student ticket costs \$4.00. Alex sells  $x$  adult tickets and 12 student tickets. Write a function,  $f(x)$ , to represent how much money Alex collected from selling tickets.

8. Determine the smallest integer that makes  $-3x + 7 - 5x < 15$  true.

9. Albert says that the two systems of equations shown below have the same solutions.

First System	Second System
$8x + 9y = 48$	$8x + 9y = 48$
$12x + 5y = 21$	$-8.5y = -51$

Determine and state whether you agree with Albert. Justify your answer.

10. Given the graph of the line represented by the equation  $f(x) = -2x + b$ , if  $b$  is increased by 4 units, the graph of the new line would be shifted 4 units

- A. right    B. up    C. left    D. down

11. Rowan has \$50 in a savings jar and is putting in \$5 every week. Jonah has \$10 in his own jar and is putting in \$15 every week. Each of them plots his progress on a graph with time on the horizontal axis and amount in the jar on the vertical axis. Which statement about their graphs is true?

- A. Rowan's graph has a steeper slope than Jonah's.  
 B. Rowan's graph always lies above Jonah's.  
 C. Jonah's graph has a steeper slope than Rowan's.  
 D. Jonah's graph always lies above Rowan's.



12. To watch a varsity basketball game, spectators must buy a ticket at the door. The cost of an adult ticket is \$3.00 and the cost of a student ticket is \$1.50. If the number of adult tickets sold is represented by  $a$  and student tickets sold by  $s$ , which expression represents the amount of money collected at the door from the ticket sales?

- A.  $4.50as$                       B.  $4.50(a + s)$   
 C.  $(3.00a)(1.50s)$             D.  $3.00a + 1.50s$

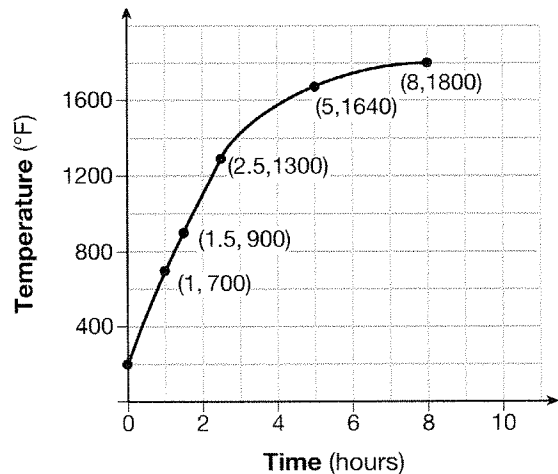
13. The cost of a pack of chewing gum in a vending machine is \$0.75. The cost of a bottle of juice in the same machine is \$1.25. Julia has \$22.00 to spend on chewing gum and bottles of juice for her team and she must buy seven packs of chewing gum. If  $b$  represents the number of bottles of juice, which inequality represents the maximum number of bottles she can buy?

- A.  $0.75b + 1.25(7) \geq 22$   
 B.  $0.75b + 1.25(7) \leq 22$   
 C.  $0.75(7) + 1.25b \geq 22$   
 D.  $0.75(7) + 1.25b \leq 22$

14. Last week, a candle store received \$355.60 for selling 20 candles. Small candles sell for \$10.98 and large candles sell for \$27.98. How many large candles did the store sell?

- A. 6            B. 8            C. 10            D. 12

15. Firing a piece of pottery in a kiln takes place at different temperatures for different amounts of time. The graph below shows the temperatures in a kiln while firing a piece of pottery after the kiln is preheated to  $200^\circ\text{F}$ .



During which time interval did the temperature in the kiln show the greatest average rate of change?

- A. 0 to 1 hour  
 B. 1 hour to 1.5 hours  
 C. 2.5 hours to 5 hours  
 D. 5 hours to 8 hours

16. The two sets of data below represent the number of runs scored by two different youth baseball teams over the course of a season.

Team A: 4, 8, 5, 12, 3, 9, 5, 2

Team B: 5, 9, 11, 4, 6, 11, 2, 7

Which set of statements about the mean and standard deviation is true?

- A. mean  $A <$  mean  $B$   
standard deviation  $A >$  standard deviation  $B$
- B. mean  $A >$  mean  $B$   
standard deviation  $A <$  standard deviation  $B$
- C. mean  $A <$  mean  $B$   
standard deviation  $A <$  standard deviation  $B$
- D. mean  $A >$  mean  $B$   
standard deviation  $A >$  standard deviation  $B$

17. For which value of  $P$  and  $W$  is  $P + W$  a rational number?

- A.  $P = \frac{1}{\sqrt{3}}$  and  $W = \frac{1}{\sqrt{6}}$
- B.  $P = \frac{1}{\sqrt{4}}$  and  $W = \frac{1}{\sqrt{9}}$
- C.  $P = \frac{1}{\sqrt{6}}$  and  $W = \frac{1}{\sqrt{10}}$
- D.  $P = \frac{1}{\sqrt{25}}$  and  $W = \frac{1}{\sqrt{2}}$

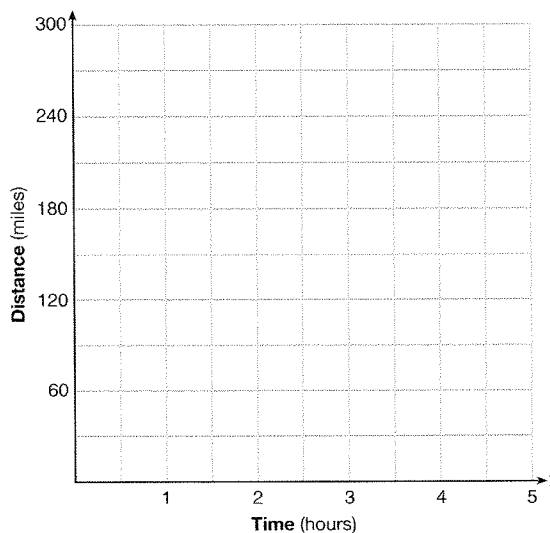
18. Each day Toni records the height of a plant for her science lab. Her data are shown in the table below.

Day ( $n$ )	1	2	3	4	5
Height (cm)	3.0	4.5	6.0	7.5	9.0

The plant continues to grow at a constant daily rate. Write an equation to represent  $h(n)$ , the height of the plant on the  $n$ th day.

19. A driver leaves home for a business trip and drives at a constant speed of 60 miles per hour for 2 hours. Her car gets a flat tire, and she spends 30 minutes changing the tire. She resumes driving and drives at 30 miles per hour for the remaining one hour until she reaches her destination.

On the set of axes below, draw a graph that models the driver's distance from home.



20. Solve for  $x$  algebraically:  $7x - 3(4x - 8) < 6x + 12 - 9x$

If  $x$  is a number in the interval  $[4, 8]$ , state all integers that satisfy the given inequality. Explain how you determined these values.

21. The volume of a large can of tuna fish can be calculated using the formula  $V = \pi r^2 h$ .

Write an equation to find the radius,  $r$ , in terms of  $V$  and  $h$ .

Determine the diameter, to the *nearest inch*, of a large can of tuna fish that has a volume of 66 cubic inches and a height of 3.3 inches.



### ORDER OF OPERATIONS

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

### WORKING WITH INTEGERS

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_

### FRACTIONS

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_
16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_
21. \_\_\_\_\_
22. \_\_\_\_\_
23. \_\_\_\_\_
24. \_\_\_\_\_

### CENTRAL TENDENCIES

1. Mean: \_\_\_\_\_  
Median: \_\_\_\_\_  
Mode: \_\_\_\_\_  
Range: \_\_\_\_\_
2. Mean: \_\_\_\_\_  
Median: \_\_\_\_\_  
Mode: \_\_\_\_\_  
Range: \_\_\_\_\_

### SOLVING MULTI-STEP EQUATIONS

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

## SOLVING MULTI-STEP INEQUALITIES

- |          |           |
|----------|-----------|
| 1. _____ | 6. _____  |
| 2. _____ | 7. _____  |
| 3. _____ | 8. _____  |
| 4. _____ | 9. _____  |
| 5. _____ | 10. _____ |

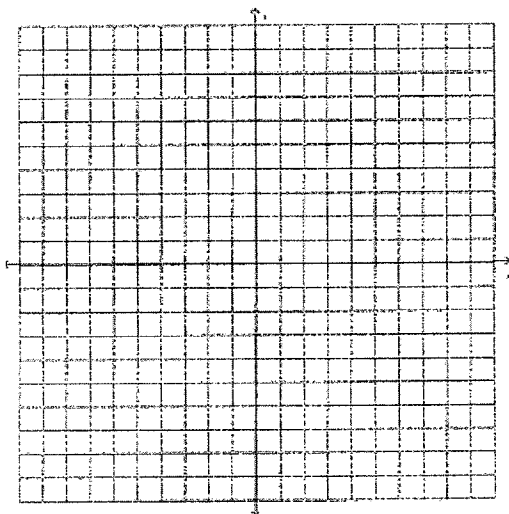
## TRANSLATING ALGEBRAIC EXPRESSIONS

- |           |           |
|-----------|-----------|
| 1. _____  | 11. _____ |
| 2. _____  | 12. _____ |
| 3. _____  | 13. _____ |
| 4. _____  | 14. _____ |
| 5. _____  | 15. _____ |
| 6. _____  | 16. _____ |
| 7. _____  | 17. _____ |
| 8. _____  | 18. _____ |
| 9. _____  | 19. _____ |
| 10. _____ | 20. _____ |

## GRAPHING POINTS ON A COORDINATE PLANE

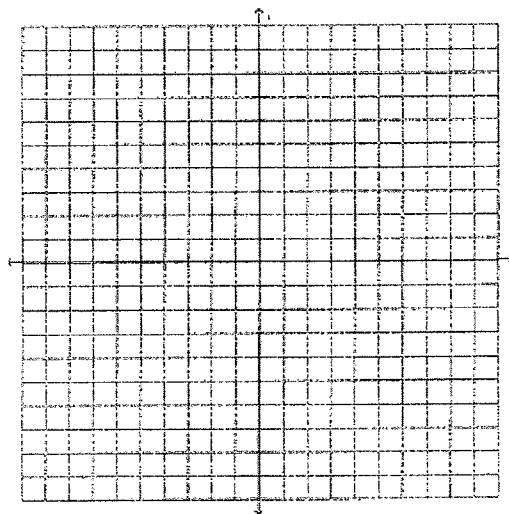
1.  $y = 3x - 1$

$x$	$y$
-2	
-1	
0	
1	
2	



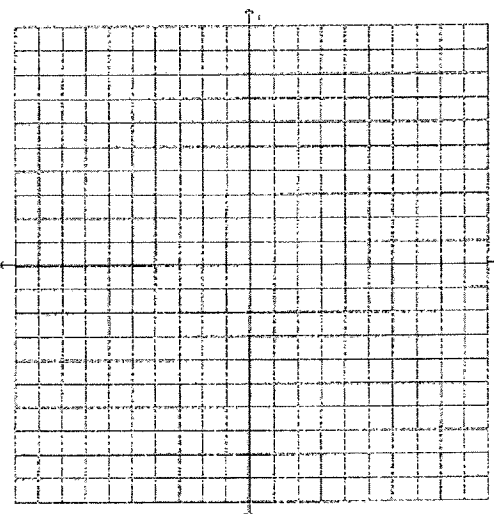
2.  $y = -x + 2$

$x$	$y$
-6	
-5	
-1	
4	
7	



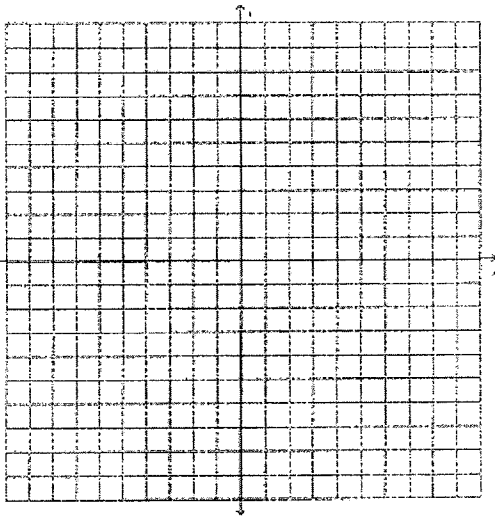
3.  $y = -2x - 7$

$x$	$y$
-7	
-5	
-2	
0	
1	



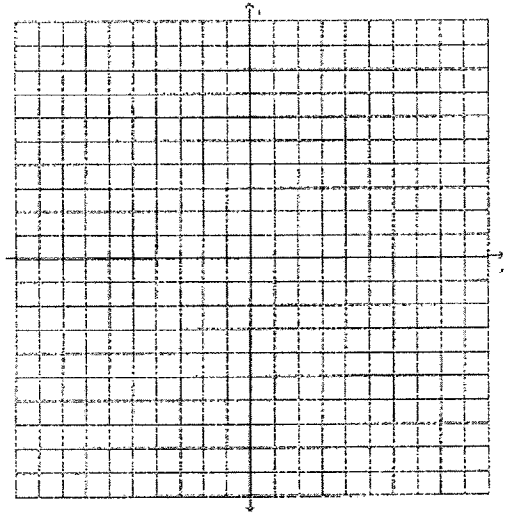
4.  $y = \frac{1}{2}x + 3$

x	y
-4	
-2	
0	
2	
4	



5.  $y = \frac{2}{3}x + 4$

x	y
-6	
-3	
0	
3	
6	



## SYSTEMS OF EQUATIONS

### Substitution

1. \_\_\_\_\_

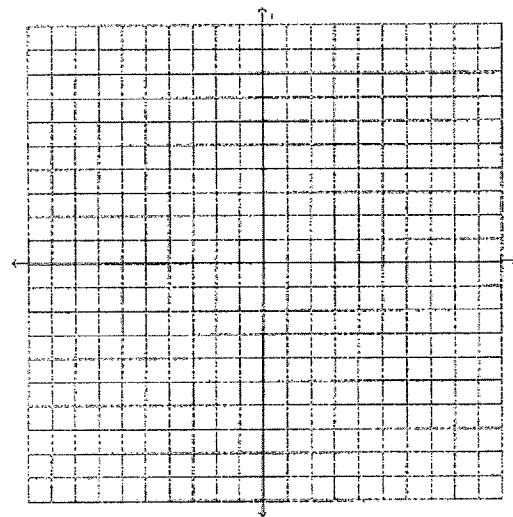
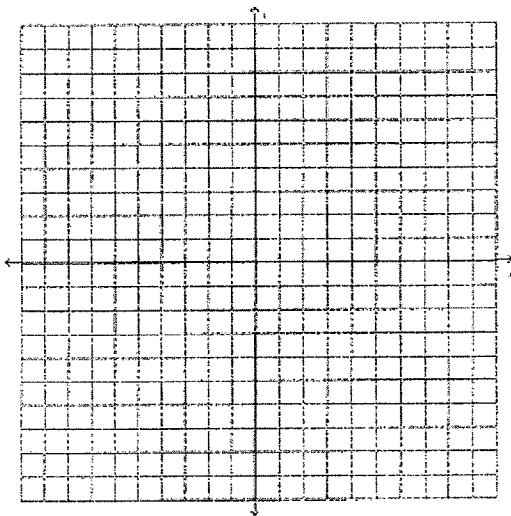
3. \_\_\_\_\_

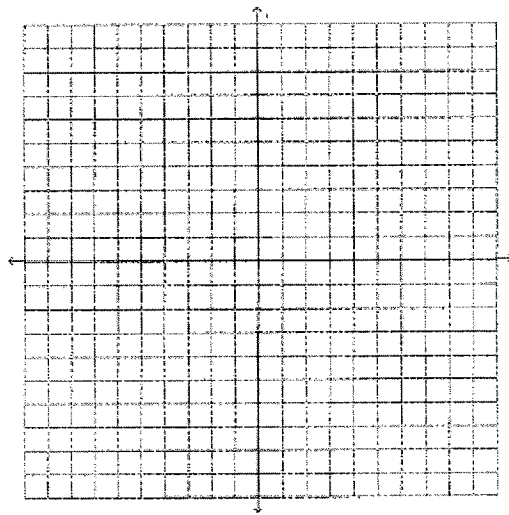
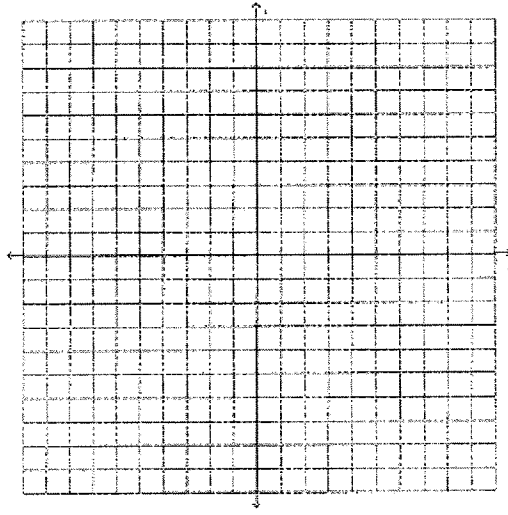
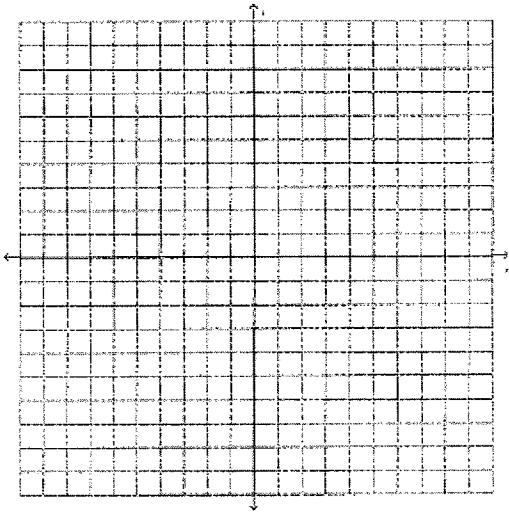
2. \_\_\_\_\_

4. \_\_\_\_\_

## SYSTEMS OF EQUATIONS

### Graphing





### MIXED REVIEW

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_