January 29, 2019

Attached you will find the required work for your home-based instructional days. Classwork grades are given based upon completed work turned in on Friday once we return.

The packet includes a review on:
- Combining Like Terms
- Two-step Equations
- Solving systems of Equations by Graphing

Please reference notes taken in class as needed. They have also been uploaded to our website under "Class Handouts".

Also, remember that you have homework questions 1-8 due upon your return that was assigned with our Solving Systems of Equations by Substitution today.

Stay warm and see you all back on Friday!

Mrs. Fitzer
Mrs. Matthews

What Happened to the Snowman During the Heat Wave?

Simplify each expression below and find your answer in the corresponding answer column. Write the letter of that exercise in the box that contains the number of the answer.

*Combine like terms

(E) $\boxed{6x} + 9 + \boxed{2x}$ $6x + 2x + 9$
                                    $8x + 9$

(S) $7 + 3x + 4$

(O) $8 + 2x + 7x$

(L) $8x + 7 + 3x + 2$

(A) $5x + x$

(F) $9x + 8 + x$

(E) $6 + 4x + 1 + 3x$

(9) $9x + 8$

(4) $6x$

(6) $7x + 7$

(15) $8x + 9$

(19) $11x + 9$

(25) $3x + 11$

(28) $10x + 8$

(O) $\boxed{3t} + \boxed{4u} + \boxed{6t}$ $3t + 6t + 4u$
                                             $9t + 4u$

(A) $9u + 4 + 8t + 3u$

(I) $7 + u + 9t + 5u$

(P) $6t + 4u + t + 9u$

(E) $2t + 4 + 8u + 2t$

(M) $3u + 7t + 9t + u$

(F) $8t + 1 + u + 12$

(11) $7t + 13u$

(17) $9t + 4u$

(24) $16t + 4u$

(7) $8t + 12u + 4$

(23) $9t + 6u + 7$

(21) $8t + u + 13$

(2) $4f + 8u + 4$

$4x + 4x + 2y + 3y + 7 = 8x + 5y + 7$

(L) $\boxed{4x} + \boxed{2y} + 7 + \boxed{4x} + \boxed{3y}$

(E) $8y + 6 + 8x + y + 3$

(D) $7x + 4x + 6y + x + 9y$

(O) $2x + 5 + 7y + 8x + 8$

(M) $3y + 7 + 5y + y + 1$

(H) $6x + 6y + 6x + 7y + 4y$

(T) $\frac{1}{2}x + \frac{1}{2}x + 6y$

(1) $12x + 17y$

(20) $10x + 7y + 13$

(13) $8x + 9y + 9$

(14) $x + 6y$

(5) $12x + 15y$

(10) $9y + 8$

(27) $8x + 5y + 7$

(E) $\boxed{\frac{1}{2}n} + \boxed{3w} + \boxed{\frac{1}{2}n} + w$ $\frac{1}{2}n + \frac{1}{2}n + 3w + w$
                                                                     $n + 4w$

(M) $n + 8w + 5w + 3 + 5w$

(O) $4w + 5 + 3n + 6w + 7$

(C) $2n + 4w + 5n + w + 9n$

(H) $w + w + n + 8w + 6$

(L) $6n + 2n + 7w + 2 + 3n$

(P) $\frac{3}{2}w + 7n + \frac{1}{2}w$

(18) $3n + 10w + 12$

(26) $n + 4w$

(22) $n + 10w + 6$

(16) $7n + 2w$

(3) $n + 18w + 3$

(12) $11n + 7w + 2$

(8) $16n + 5w$

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
														E	E	O									E	L	

OBJECTIVE 1–f: To simplify expressions by combining like terms (all positive terms).

Name_____

Solving Systems of Equations by Graphing

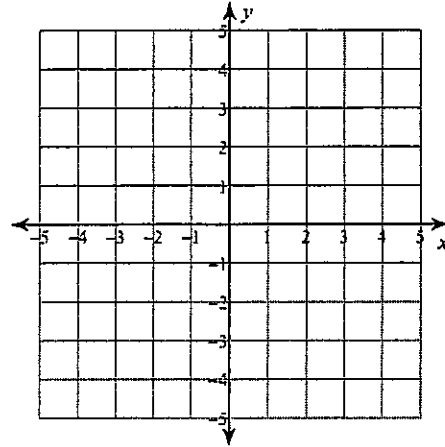Date_____ Period_____

Solve each system by graphing.

1) $y = -\dfrac{5}{3}x + 3$
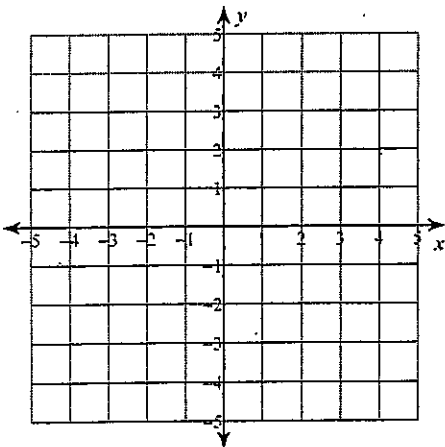
   $y = \dfrac{1}{3}x - 3$
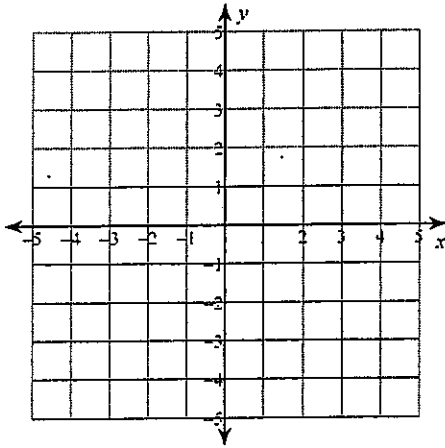
2) $y = 4x + 3$
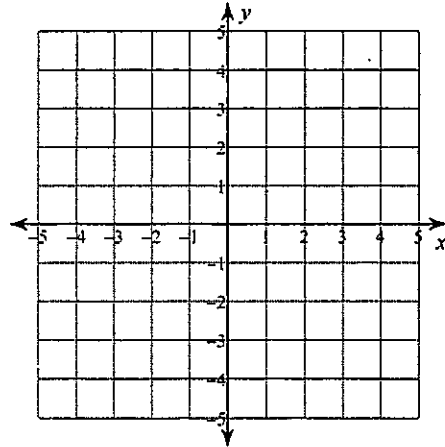
   $y = -x - 2$

3) $y = -\dfrac{1}{2}x - 1$

   $y = \dfrac{1}{4}x - 4$

4) $y = -1$

   $y = -\dfrac{5}{2}x + 4$

What Problem Did the Dumb Gangster Have When the Boss Told Him to Blow Up a Car?

Solve each equation below. Find your solution in the set of answers under the exercise and notice the letter next to it. Write this letter in each box that contains the number of that exercise.

(1) $3n + 5 = 6$

(2) $4 + 5x = 1$

(3) $4y - 15 = -10$

(4) $3 - 4d = 13$

(5) $8 = 9x - 7$

Answers:

(A) $-2\frac{1}{2}$ (O) $\frac{1}{3}$

(D) $-\frac{3}{5}$ (U) $1\frac{2}{3}$

(F) $1\frac{7}{9}$ (I) $1\frac{1}{4}$

(6) $-22 = 11 - 6a$

(7) $8t + 23 = 17$

(8) $50 - 3u = 75$

(9) $21 = -10m - 3$

(10) $13x + 5x = 3$

Answers:

(E) $-2\frac{2}{5}$ (G) $-1\frac{7}{10}$

(N) $-8\frac{1}{3}$ (T) $-\frac{3}{4}$

(L) $5\frac{1}{2}$ (B) $\frac{1}{6}$

(11) $3x - 7 + 2x = 9$

(12) $4 - 2y - y = 12$

(13) $-15 = 6p + 15 - 10p$

(14) $-n + 5 + 21n = 0$

(15) $4e - 3e - 2e = 1 - 9$

Answers:

(S) $7\frac{1}{2}$ (R) $-2\frac{2}{3}$

(M) $-6\frac{3}{4}$ (X) $3\frac{1}{5}$

(P) 8 (H) $-\frac{1}{4}$

H	E		10	5	12	8	9	2	14	3	13	6	3	15	13	1	8	9	11	14	4	5	13	7	15	3	15	9
																T	H	E										

OBJECTIVE 4–h: To solve equations of the form $ax + b = c$, where a is an integer (solutions are not necessarily integers).

ALGEBRA WITH PIZZAZZ!
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