Get out your homework and start checking your answers. We will have a target check Monday.

Classwork - Combining Like Terms

A
$$7b+15 = 3b$$

B) $10+5x=3$

C) $-2+5=3$

3x-3

-13+5x

D) $3a-6+1$

E($-4v+7+2v$

F($6x-8-9x$

-2v+7

-3x-8

G) $6a-5b-3b+2a$

H($5b-7-10+1$

1) $-2x-4y-6x+3y$

8a - 8b

-5t+8

-5x+7y

You have been working with expressions where you have combined like terms.

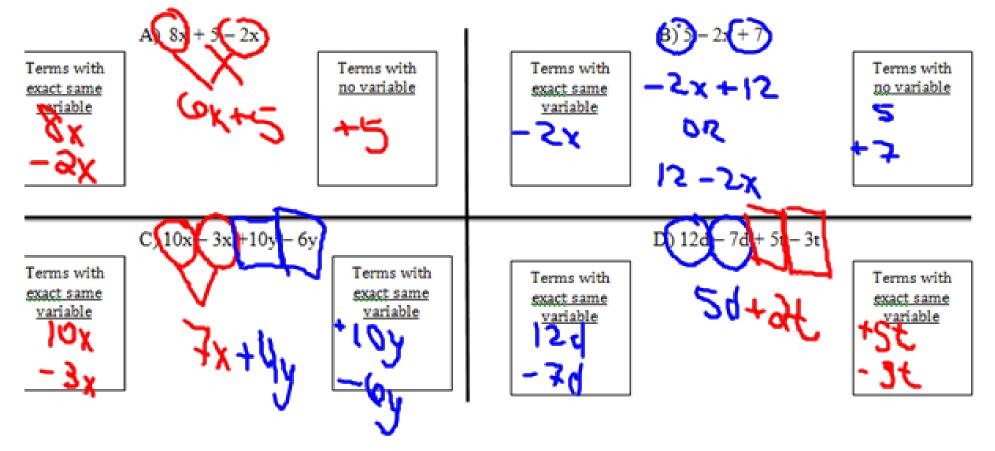
Vocabulary

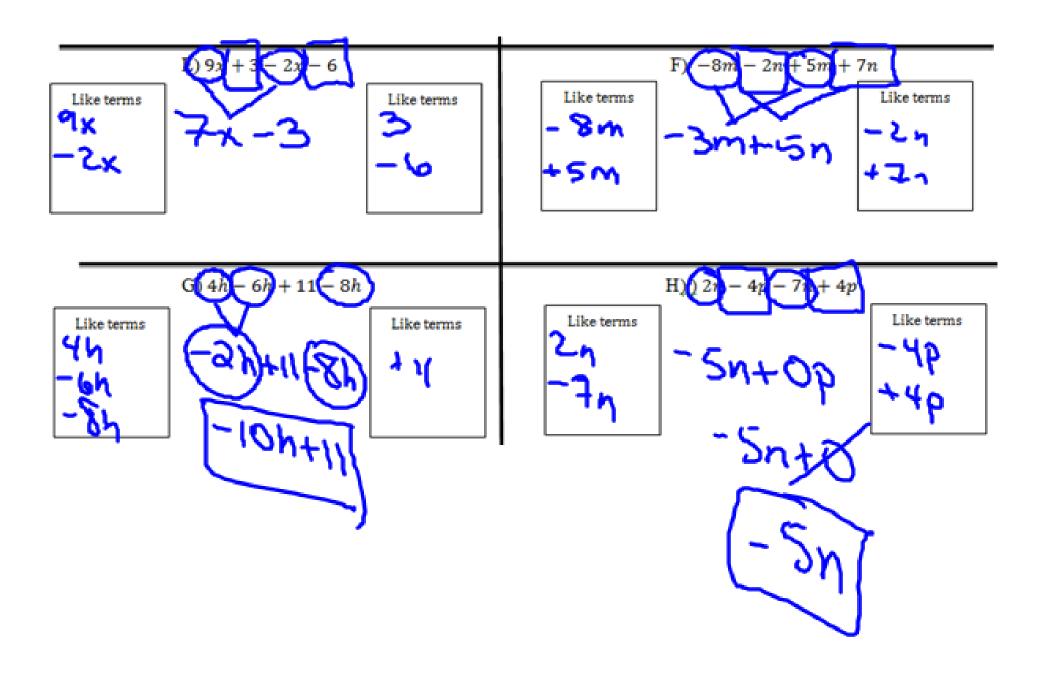
<u>Like Terms</u> – Terms that have the <u>exact same variable</u> Terms that have no variables

Constand

In the following examples:

- A) Put each term to the appropriate category. (terms with exact same variable and/or terms with no variable)
- B) Circle/box like terms -- include the + or sign in front of it.





Create an expressions using 3-4 terms with variable and/or non-variable terms that would have the following simplified answer. There is more than one possible expression.

Example: $4x - 8 \rightarrow A$ possible expression that would simplify to 4x - 8 could be $\rightarrow (6x)$

→6x=4\2x=4

Hint: You are just thinking backwards

$$6a + 10$$

$$-5x - 4$$

$$2y - 6$$

$$-4x + 2y$$

$$7x - 9$$

$$-n + 3$$

$$-10c + 5d$$

Simplify each expression to decide whether the 2 expressions are equivalent or not. Show work to prove your answer. Equivalent expressions have the same simplified expression after you combine like terms.

A)	Expression #1 $2x - 5 + 3x$ $5x - 6$	(Circle Your Answer) Equivalent Not Equivalent	Expression #2 (4) + 5x (-9) - 5 + 5 x
B)	Expression #1 6n-2+4n+5	(Circle Your Answer) Equivalent Not Equivalent	Expression #2 $-8n - 3 + 2n$
C)	$\frac{2xpression \#1}{3x - 4y - 3x + 7y}$	(Circle Your Answer) Equivalent Not Equivalen	$\frac{2xpresstpr#2}{-13(-5x)-2y+3x}$ $-2x - 3y - 3y - 2x$
D)	$\frac{\text{Expression-#1}}{11g - 5 - 7g + 3}$	(Circle Your Answer) Equivalent Not Equivalent	Expression #2 $+g + 6 + 5g - 8$