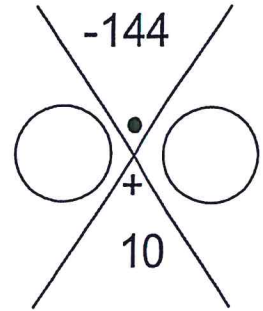
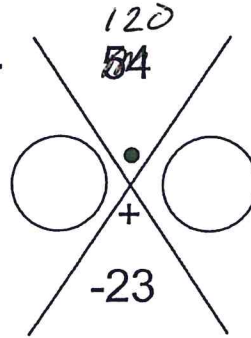
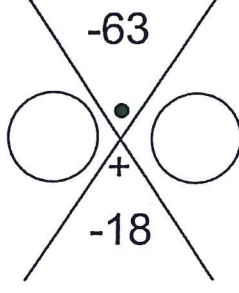
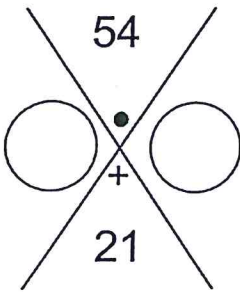


Bellwork Alg 2A Wednesday, February 8, 2017

For 1 to 4, find two numbers to put into the circles such that these two numbers multiply to the number at the top of the X. These two numbers also must add to the number at the bottom of the X.



For 5 and 6, use the box to expand each product. Write your answer in Standard Form.

5.  $(2x - 7)(4x + 3)$

6.  $(x - 5)^2$

	$2x$	$-7$
$4x$		
$+3$		

	$x$	$-5$
$x$		
$-5$		

Answer:

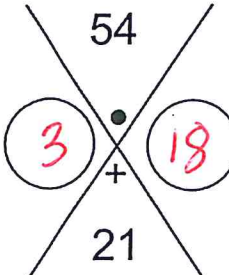
Answer:

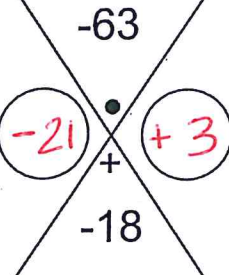
7. Factor out the GCF from this expression:  $24x^2 + 39x$

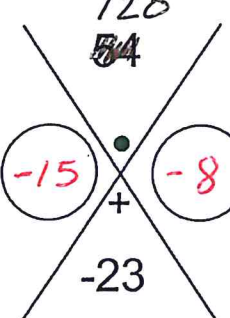
8. Use the given quantity to find the three missing parts from this expansion.

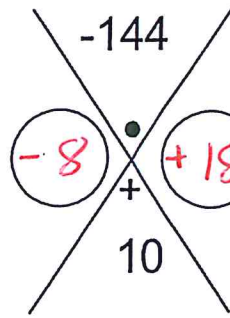
	$5x^2$	$-6x$
$x$	$-40x$	$48$

For 1 to 4, find two numbers to put into the circles such that these two numbers multiply to the number at the top of the X. These two numbers also must add to the number at the bottom of the X.

1. 

2. 

3. 

4. 

For 5 and 6, use the box to expand each product. Write your answer in Standard Form.

5.  $(2x - 7)(4x + 3)$

6.  $(x - 5)^2$

	$2x$	$-7$
$4x$	$8x^2$	$-28x$
$+3$	$+6x$	$-21$

	$x$	$-5$
$x$	$x^2$	$-5x$
$-5$	$-5x$	$+25$

Answer:  $8x^2 - 22x - 21$

Answer:  $x^2 - 10x + 25$

7. Factor out the GCF from this expression:

$24x^2 + 39x$

$= 3x(8x + 13)$   
GCF is  $3x$

8. Use the given quantity to find the three missing parts from this expansion.

	$5x$	$-6$
$x$	$5x^2$	$-6x$
$-8$	$-40x$	$48$