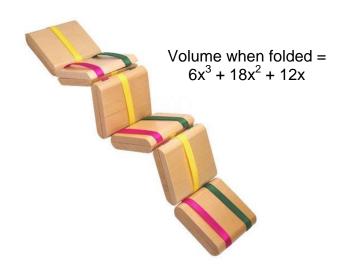
FACTORING POLYNOMIALS – Day 2

Remember: i	s the opposite of multiplication.
Multiply: $(3x + 6)(x - 12) =$	=
Now factor the answer.	
	h is) _ What is the product: roduct that add up to your sum.
4) Fill in your parenthesis(x)(x	
Factor completely.	
1) $2x^2 - 6x - 36 =$	product of two binomials?
3) Factor the following binomial: $x^2 -$	25 4) $x^2 + 3x - 10 = $

5) $3x^2 + 30x + 27 =$	=
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6) Identify the expression that represents $4x^2 - 36$ in factored form.

7) The toy shown below is made of several wooden blocks that fold together to form a rectangular prism or unfold to form a "ladder." What expressions can be used to represent the dimensions of the toy when it is folded up?



8) Which function is equivalent to $g(x) = 4x^2 + 7x - 2$?

A.
$$g(x) = (x - 2)(4x + 1)$$

B.
$$g(x) = (x + 2)(4x - 1)$$

C.
$$g(x) = (x + 2)(4x + 1)$$

D.
$$g(x) = (2x - 2)(2x + 1)$$