## Topic 2 Review (Master)

Tuesday, November 16, 2021

11:07 AM

#### Math 2

#### Chapter 2 Practice Test

1) Put the expression in standard form:  $10 - 8x^5 + 4x^3 - 2x$ .  $-8x^5 + 4x^3 - 2x + 10$ 

# ()+()()-()

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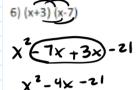
### Simplify for numbers 2-9.

2) 
$$(8x^3 + 5x - 9) + (3x^5 - 4x^2 + 4x + 12)$$
  
3 $x^5 + 8x^3 - 4x^2 + x + 3$ 

3) 
$$(12x^4 + 8x^2 - 12) + (2x^6 + 7x^2 + 10x - 2)$$
  
 $2 \times 6 + (2 \times 9 + 2 \times 2 + 10 \times -19)$ 

4) 
$$(5x-3)$$
  $\bigcirc 4x^2 + 7x - 2$ )  
 $(5x)$   $\frac{3}{2} - 4x^2 - 7x + 2$   
 $-4x^2 - 7x - 1$ 

$$\frac{57(-5x^{2}-4x)-10}{-10x^{2}+4x-13}$$



6) 
$$(x+3)(x-7)$$
7)  $(3x+4)(4x-2)$ 
8)  $(2k-4)^2$ 

$$(2k-4)(2k-4)$$

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$$(2k-4)(2k-4)$$

$$(2k-4)(2k-4)$$

$$(2k-4)^2$$

4K2-8K-8K+16 4K2-16K+16

Find the Greatest Common Factor for numbers 10-11.

x2 - Simple

10) 
$$\underline{12}y^5 + \underline{9}y^3 - \underline{15}y$$

11) 
$$\underline{10}x^5 + \underline{15}x^3 - \underline{20}x^2$$

34

Factor for numbers 12-23.

$$(x+4)(x+5)$$
 + 4+5

14) 
$$x^2 + 5x - 14$$
 - 14  
 $(x-z)(x+7)$  - 2 + 7

