

November 4, 2016

avg = 4!

Nov 4-9:56 AM

$$\left(\frac{-2x^4}{-x^3}\right)^3$$

$$\frac{(-2)^3 \cdot (x^4)^3}{(-1)^3 \cdot (x^3)^3} = \frac{-8x^{12}}{-x^9}$$

$$= \boxed{\frac{8}{x^3}}$$

Nov 4-10:09 AM

$$(a+b)^3 \neq a^3 + b^3$$

$$[(a+b)(a+b)](a+b)$$

$$a^2 + ab + ab + b^2$$

$$(a^2 + 2ab + b^2)(a+b)$$

$$a^3 + a^2b + 2a^2b + 2ab^2 + ab^2 + b^3$$

$$\boxed{a^3 + 3a^2b + 3ab^2 + b^3}$$

Nov 4-10:12 AM

$$48r(5r+3) - (5r+3)$$

$$(5r+3)(48r-1)$$

$$\$ (D-\%) + \ddot{o} (D-\%)$$

$$(D-\%)(\$ + \ddot{o})$$

Nov 4-10:16 AM

SSC #4  
Due Monday

Nov 4-10:24 AM

$$\boxed{a}x^2 + \boxed{b}x + \boxed{c}$$

$a=1$

$$(x+3)(x+4)$$

$$x^2 + 7x + 12$$

Method:  $ac = 1 \cdot 12 = 12$   
 $b = +7$

- $ac \neq b$  or Product/Sum
- Guess & Check

$x^2$	$+7x$	$+12$	$\oplus$	$\oplus$	$12$	$7$
$x$	$+4$		$\oplus$	$\oplus$	$12$	$7$
$x^2$	$+4x$	$+3x$	$\oplus$	$\oplus$	$12$	$7$
			$\oplus$	$\oplus$	$12$	$7$

Factor by Grouping

$$x(x+4) + 3(x+4)$$

$$(x+4)(x+3)$$

$$\checkmark$$

Nov 4-10:27 AM