## 1.4 Difference of Squares SB 2016 5th.notebook

## **September 02, 2016**

No Starter 
$$|x| | |x|^2 + |x| + |x| + |x| | |x| + |x| + |x| | |x| + |x|$$

EXS) 
$$5x^{2} - 18x + 16$$
 $a \cdot 5$ 
 $b \cdot 18$ 
 $c \cdot 16$ 

$$-10 \times -8$$

$$(5x - 10)(5x - 8)$$

$$-18$$

$$(x - 2)(5x - 8)$$

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$$\frac{3a^{2} + 11a - 20}{a^{3} + 11a - 20}$$

$$\frac{3a^{2} + 11a - 20}{a^{3} + 11} = \frac{3a + 15}{3} = \frac{3a - 4}{3}$$

$$\frac{3a^{2} + 11a - 20}{(3a - 20)} = \frac{3a^{2} + 11a - 20}{(3a - 4)}$$

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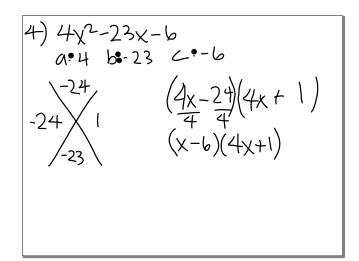
2.) 
$$\chi^{2} - 11\chi + 30$$
 $2 \frac{15}{15}$ 
 $4:1 \quad b:-11 \quad C \cdot 30 \quad 5 \quad 6$ 
 $-5 \quad -6 \quad (\chi - 6)(\chi - 5)$ 

3) 
$$5x^{2} + 10x + 3$$
  
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## 1.4 Difference of Squares SB 2016 5th.notebook

## **September 02, 2016**



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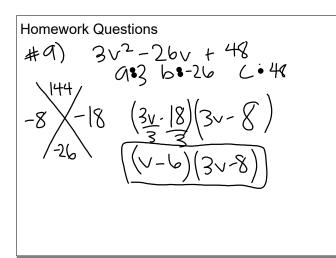
Factoring Quiz

Calendar Math

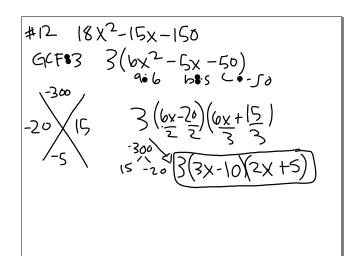
Homework Questions

1.4 Difference of Squares

Homework 1.4 Difference of Squares Worksheet



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11) 
$$48n^3 - 84n^2 - 90n$$
 $G(5) = 120 / -1$ 

Difference of Squares

$$x \stackrel{\times}{\longrightarrow} x \stackrel{\times}{\longrightarrow} x \stackrel{\times}{\longrightarrow} 4 \stackrel{16}{\longrightarrow} 4$$
 $a^2-b^2 = (a-b)(a+b)$ 
 $(x-7)(x+7)$ 

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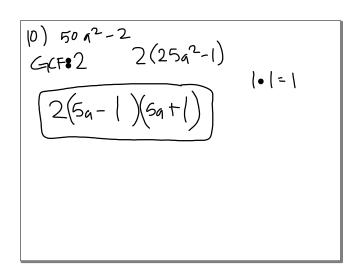
# 1.4 Difference of Squares SB 2016 5th.notebook

$$(3x-4y)(3x+4y)$$
 3x 4y

$$(5m - 4n)(5m + 6n)$$

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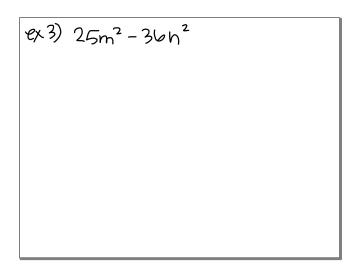
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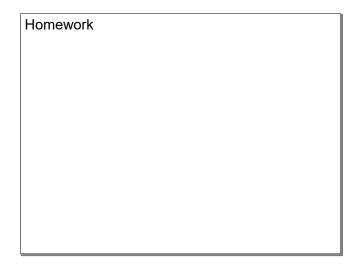


(b) 
$$42a^3 + 174a^2 - 180a$$
  
GCF: 6 a  $6a(7a^2 + 29a - 30)$   
 $-6\sqrt{35}$   $6a(7a+35)(7a-6)$   
 $6a(a+5)(7a-6)$ 

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