February 25th

Due Today: HW 8.3
Due Tomorrow: Factoring Flip Book

Unit 8: Factoring

Lesson 8.4 Review of Factoring Types

Get Ready: Let's Check HW!

(22) $81x^4 - 1$

$\sqrt{81x^4} = 9x^2 \quad \sqrt{1} = 1$

$(9x^2+1)(9x^2-1)$

dots

$\sqrt{9x^2} = 3x \quad \sqrt{1} = 1$

$(9x^2+1)(3x+1)(3x-1)$

Feb 26-10:45 AM

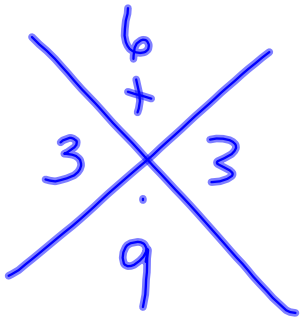
(19) $27a^2+18a+3$

$3(9a^2+6a+1)$

$a \cdot c$

(1) $9 \cdot 1 = 9$

(2)



(3) $\frac{(9a+3)}{3}\frac{(9a+3)}{3}$

(4)

(5) $(3a+1)(3a+1)$

$3(3a+1)(3a+1)$

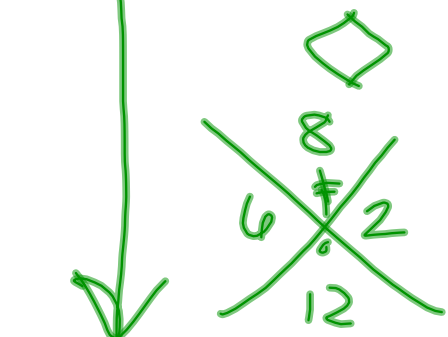
or $3(3a+1)^2$

(24) $b^2 - 4b$

$b(b-4)$

(29) $3x^2+24x+36$

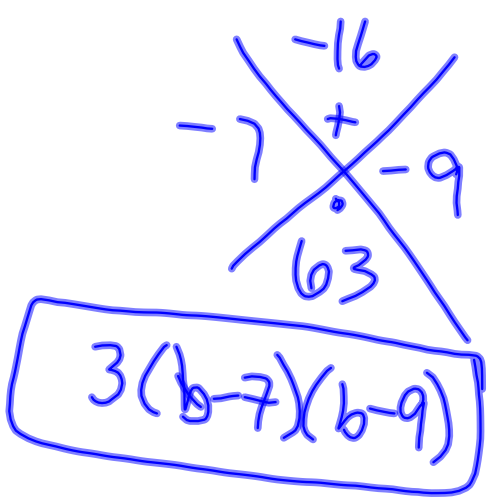
$3(x^2+8x+12)$



$3(x+6)(x+2)$

(28) $3b^2 - 48b + 189$

$3(1b^2 - 16b + 63)$



$3(b-7)(b-9)$

$-1 \cdot -63$	-64
$-3 \cdot -21$	-24
$-7 \cdot -9$	-16

Homework Review

Feb 28-2:13 PM

PERFECT PRACTICE MAKES PERFECT

Feb 24-3:47 PM

Factoring Flip Book

page 1: TITLE page- what does factoring mean TO YOU?

page 2: GCF

page 3: Diamond

page 4: dots

page 5: ACGC

page 6: 2 step

-what does that type of factoring look like?

-how do you do it?

-at least 2 examples! (only 1 for acgc)

Feb 26-4:15 PM

Extra Practice... Factor the following *completely*

1) $5a^2 - 10a - 15$

2) $100x^2 - 4$

3) $2k^2 - 8k - 24$

4) $21x^2 - 60x - 96$

5) $9m^2 - 16$

6) $p^2 + 11p + 18$

7) $4n^2 - 36$

8) $-54n^2 + 18n + 48$

Feb 26-4:17 PM

1) $5a^2 - 10a - 15$

$5(a-3)(a+1)$

2) $100x^2 - 4$

$4(5x+1)(5x-1)$

3) $2k^2 - 8k - 24$

$2(k-6)(k+2)$

4) $21x^2 - 60x - 96$

$3(7x+8)(x-4)$

5) $9m^2 - 16$

$(3m+4)(3m-4)$

6) $p^2 + 11p + 18$

$(p+2)(p+9)$

7) $4n^2 - 36$

$4(n+3)(n-3)$

8) $-54n^2 + 18n + 48$

$6(-9n^2 + 3n + 8)$

Feb 26-4:20 PM

Recap

Next Time:

Homework:

Sep 25-8:52 PM