

Factoring Review

Factoring
Day 1

1) GCF
2) Difference of Two Squares
3) Trinomial

Jul 28-10:15 AM

1) $5x^2y + 25xy$

2) $6x^2y^2 - 8x^2y^2 + 10x^2y^2$

Jul 28-11:13 AM

Difference of 2 Squares

1) $9x^2 - 25$
2) $x^2 - y^2$
3) $225x^2y^2 - 169z^4$

Jul 28-12:02 PM

July 06, 2010

Trinomials

1) $x^2 - 4x - 5$

4) $7x^2 - 20x + 12$

2) $x^2 + 3x - 18$

5) $2x^2 + 5x - 25$

3) $x^2 - 7x + 12$

6) $30x^3 + 25x^2 + 5x$

Jul 28-12:34 PM

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears to be a standard notebook page.

Name: _____

Date: _____

Day 2
Factor Completely

- 1) Factored completely, the expression $2y^2 + 12y - 54$ is equivalent to

- 2) Factor completely: $3x^2 + 15x - 42$

- 3) Factor completely: $3x^2 - 27$

- 4) Written in simplest factored form, the binomial $2x^2 - 50$ can be expressed as

- 5) Factor completely: $5n^2 - 80$

- 6) Factor completely: $3ax^2 - 27a$

7) Factor Completely: $5a^2 + 15a + 10$

8) Factor Completely: $ax^2 - 18ax + 77a$

9) Factor Completely: $4n^2 + 68n + 240$

10) Factor Completely: $Y^4 - 81$

11) Factor Completely: $3b^2 + 15b + 12$

12) Factor Completely: $6X^2 - 6y^2$

Day 3 Factoring Completely.notebook

July 06, 2010

DAY 3	
Factor Completely:	
1) $ax^2 - ay^2$	2) $18m^2 - 8$
4) $16x^2 - x^2y^4$	5) $25x^2 + 100xy + 100y^2$

Oct 26-8:27 AM

Factor Completely:	
1) $x^3 - 4x$	2) $4a^2 - 36$
3) $y^4 - 13y^2 + 36$	4) $2a^2b + 7ab + 3b$

Oct 26-8:27 AM

Factoring Completely
To factor a polynomial completely:
1) Look for a GCF
2) Count the number of terms
a) Binomial (2 terms) Difference of 2 squares
b) Trinomial (3 terms) Factor into 2 binomials

Oct 22-2:09 PM

Day 3 Factoring Completely.notebook

July 06, 2010

Factor Completely:

1) $by^2 - 4b$

COF
Difference
Binomial

2) $3x^2 - 6x - 24$

COF
Difference
Binomial

Oct 22-2:14 PM

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3) $4d^2 - 6d + 2$	CCF Difference Autocorrelation
4) $x^4 - 16$	CCF Difference Autocorrelation

Oct 22-2:19 PM

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5) $2a^2 - 2b^2$	6) $2x^2 - 32$
7) $y^4 - 81$	8) $3x^2 + 6x + 3$
9) $x^3 + 7x^2 + 10x$	

Oct 22-2:20 PM

[illegible]

Day 4 Quiz Review

Name _____ Factoring review Date _____

GCF

$3x^2 - 3x$

$-6x^5 + 3x^3$

$-3x^6 + 15x^4$

$36x^3 - 24x^2 + 8x$

$160x^3 + 100x^2 - 180x$

Difference of squares

$X^2 - 16$

$X^2 - 1$

$X^2 - 121$

$16x^4 - 49$

$36x^2 - 49z^2$

$169n^2 - 225m^2$

Trinomial

$x^2 - 5x + 6$

$x^2 - 10x + 9$

$x^2 - 6x - 16$

$X^2 - 14x + 24$

$X^2 - 5x - 14$

$X^2 - 12x + 20$

Coefficients > 1

$2X^2 - X - 6$

$2x^2 + 5x + 3$

$3x^2 - 13x + 10$

$5m^2 + 13m - 6$

$3x^2 - 15x - 18$

$3x^2 - 8x - 16$

Coefficients > 1 with factors

$8x^2 + 14x + 5$

$6x^2 - 19x + 3$

$6x^2 + 5x + 1$

$4x^2 - 1x - 14$

$4x^2 + 4x - 24$

$4x^2 + 15x + 14$

Factoring completely

$2y^2 + 12y - 54$

$3x^2 + 15x - 42$

$3x^2 - 27$

$5a^2 + 15a + 10$

$4n^2 + 68n + 240$

$y^4 - 81$