Monday 11/13/17

Warm-Up

① $4(x+3) + x(x+3)$

② Solve for y

$Ax + By = C$

③ Find the average test score

80, 90, 65, 75

④ $\sqrt{(2-5)^2 + (-1-4)^2}$

Stations From Thursday (Test Review)

Test Focus - Systems
- Distance, Midpoint, Slope
- Literal Equations
- Multistep Equations
- Combining Like Terms - Distribution

Stations 1

① $2(x+6)+5(x-3)$

② $-3(5x-4)+4(x+2)-3x$

③ $3y^2+4y-y^2-6y+8-12y^2$

④ $-3(x^2+5)-5(x^2-2)+x^2-7$

⑤ $11x-3y+8x^2+2$

Station 2

① Solve for y : $2x-3y=5$

② Solve for l : $P=2l+2w$

③ Solve for B_2 : $A=\frac{h}{2}(B_1+B_2)$

④ Solve for h : $A=\frac{h}{2}(B_1+B_2)$

⑤ Solve for r $A=\pi r^2$

Station 3

Find The Perimeter of ABC

① A (2,5) B (-4,-2) C (1,-3)

slope AB= slope BC= slope AC=

②

Find The Perimeter of ABC

A (4,5) B (4,-2) C (0,0)

slope AB= slope BC= slope AC=

Station 4

Solve for x

① $2x+3=-7x-5$

② $\frac{1}{3}x+\frac{2}{5}=\frac{3}{4}$

③ $2(x+5)+4(x+2)=12$

④ $-x-3=5$

⑤ $\frac{x}{2}+\frac{1}{3}=\frac{-3x}{5}+\frac{1}{2}$

Station 5

Solve the system

① $y = 6x - 11$
$-2x - 3y = -7$

② $2x - 3y = -1$
$y = x - 1$

③ $y = -2$
$4x - 3y = 18$

④ $-5x + y = -3$
$3x - 8y = 24$

⑤ $y = 3x + 5$
$5x - 4y = -3$

Station 6

Find the Best Fit equation (linear)

①

x	y
2	4
5	8
7	4
10	2

②

x	y
-3	2
-2	6
1	9
4	15

③

x	y
1	7
2	12
3	17
4	22

④

x	y
0	3
8	10
9	11
12	14

⑤

x	y
1	-2
3	1
6	5
10	11

Tuesday 11/14/17

Test Day

Warm-up
- System
- Fraction Equation
- Literal Equation

Test 60 min

- After Test
  - Distributive Wksht
  - Basic Factors Wksht
  - * Multiplying Polynomials Worksheet
    KUTA SOFTWARE
    Alg 1

Wednesday 11/15/17

Warm-up

① $xy^2(3x-y)$

② $5b(b^3+5)$

③ $2a(b^3-3a)$

④ $5x^2(4x-x^4)$

Lesson - Factoring By Greatest Common Factor

GCF -

Sets of words

BOOK
TOOK
MAKE

what letters do the words have in common? (All 3)
have only K in common

Do more word sets examples

GCF FACTORING - start with a distibutive problem. $4(x+5)$

Show factoring as going backwards from distributive property

Distribute (multiply)	Factor (Divide)

- Use same example Factor $4x+20$

- Step 1 Find GCF — GCF is 4

$$4\left(\frac{4x}{4}+\frac{20}{4}\right)$$

- Step 2 Divide GCF into terms

Show youtube video Factoring

Practice GCF Factoring

Find Factoring wksht
HW + CW

THURSDAY + FRIDAY
11/16/17 - 11/17/17

Quiz on GCF Factoring

- Factoring by
  - GCF
  - Difference of Perfect Squares
  - Trinomials $a=1$ and $a>0$

ax^2+bx+c

USE GROUPING FOR TRINOMIALS
TEACH AS OPPOSITE OF DOUBLE DISTRIBUTIVE PROPERTY

Start $(x+2)(x+5)$ Double Distribute

$x(x+5) + 2(x+5)$

$xx + 5x + 2x + 2(5)$

$x^2+5x+2x+10$

$x^2+7x+10$

Factor $x^2+7x+10$

need 4 terms not 3
so split middle up

$x^2+5x+2x+10$

$(x^2+5x) + (2x+10)$

$x(x+5) + 2(x+5)$

$(x+5)(x+2)$

___ + ___ = 7 (B)

___ x ___ = 10 (AC)

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