

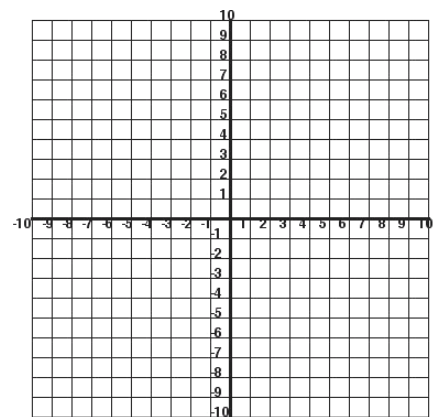
Math A2 Homework: Week of October 22 - 26

Monday 10/22

- Factor Completely:
 - $3x^2 + 6x - 45$
 - $3x^3 - 75x$
 - $4 - 100x^2$
 - $2x^2 - 16x + 32$
 - $18x^2 - 8$
 - $2x^5 - 6x^4 - 8x^3$
- Factor using GCF, DOTS, or Trinomial
 - $x^2 - 36$
 - $3x^3 - 9x^2 + 3x$
 - $x^2y^4 + 4x^3y - x^5y^3$
 - $x^2 + 11x + 28$
 - $25 - 64y^2$
 - $x^2 - 18x + 80$
- The length of a rectangle is 3 less than twice its width. If the is represented by w , what is the perimeter of the rectangle in terms of w ? What is the area in terms of w ?
- Solve the following inequality and graph on a number line: $3x + 12 > 6$
- Subtract $x^2 - 3x + 2$ from $x^2 + 2x - 6$
- Complete Review Sheet #1, #2

Tuesday 10/24

- Factor:
 - $2x^2 + 9x + 4$
 - $3x^2 - 4x - 4$
 - $4x^2 - 7x + 3$
 - $x^2 - 6x - 16$
 - $4x^2 - 9$
 - $6x - 24$
 - $2x^2 + 4x + 2$
 - $9 - 9x^2$
 - $5x^2 + 8x - 4$
- Write in correct scientific notation: 0.000000056
- Simplify the following:
 - $(x^3)^4$
 - $\frac{(2x^2)(6x^8)}{x^4}$
 - $13x^0 - (24x)^0$
 - $\frac{10x^3 - 15x^2 + 5x}{5x}$
- Express as a trinomial:
 - $(2x - 3)(x + 6)$
 - $(2x - 1)^2$
- Solve for y : $xy - 4b = 3m$
- Graph the following system of inequalities. Label your solution set S.
$$y < -2x + 1$$
$$y \geq \frac{1}{3}x - 4$$
- Complete Review Sheet #3, #4



Wednesday 10/25 – Complete Entire Review Sheet #5-10

Thursday 10/26 – Study for Test tomorrow

Topics Include: Polynomials → Adding Subtracting, Multiplying, Dividing
Laws of Exponents
Factoring → GCF, DOTS, Trinomial with $a = 1$, $a > 1$
Old Material → Systems of equations

Friday 10/27 – Test Today