

Fold Calendar Math

Calendar math September

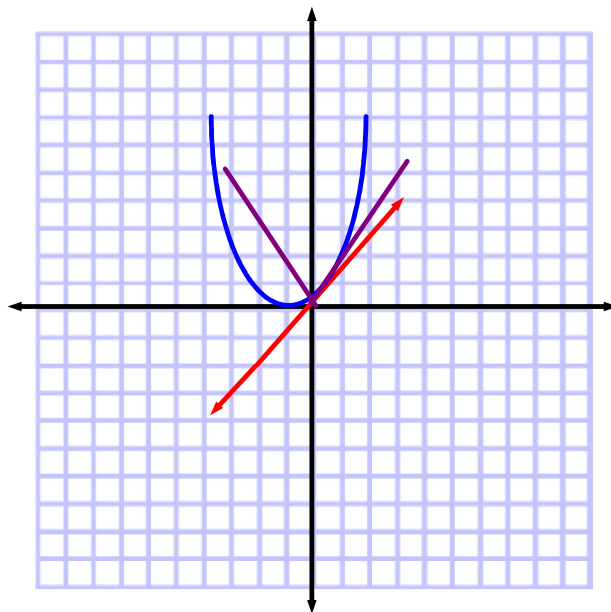
Transformations

Parent Functions: the basic function that is used to create more complex functions

Linear: $f(x) = x$ $y = x$

Quadratic: $f(x) = x^2$ $y = x^2$

Absolute Value: $f(x) = |x|$ $y = |x|$



1.2 Factoring the GCF

Could be a number OR a variable

Example: 32, 12

x^4, x^7

GCF: $4x^4$

$$32 = 1, 32, 2, 16, 4, 8$$

$$12 = 1, 12, 2, 6, 3, 4$$

$$x^4 = x \cdot x \cdot x \cdot x$$

$$x^7 = x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x$$

$$\left. \begin{array}{l} x^3 \\ x^7 \\ x^{12} \end{array} \right\} \text{GCF } x^3$$

$$\left. \begin{array}{l} y^{15} \\ y^{18} \\ y^{10} \end{array} \right\} \text{GCF } y^{10}$$

1. $p^2 - 3p$

$$p(p-3)$$

$$\frac{p \cdot \cancel{p}}{\cancel{p}} - \frac{3\cancel{p}}{\cancel{p}}$$

7. $9r^2 + 6r$

$$3r(3r + 2)$$

$$\frac{9r^2}{3r} + \frac{6r}{3r}$$
$$\frac{r \cdot \cancel{r}}{\cancel{r}}$$

$$16. \quad \frac{16v^2}{4} + \frac{28v}{4} - \frac{48}{4}$$

$$4(4v^2 + 7v - 12)$$

Finish 1.1

Do 1.2

Then do Mathxforschool 1.1 and 1.2