

Calendar Math: September Transformations

Square Root: $f(x) = \sqrt{x}$

Cube Root: $f(x) = \sqrt[3]{x}$

Piece-wise: $f(x) = \begin{cases} x + 2 & \text{if } x < -2 \\ 1 & \text{if } -2 \leq x \leq 0 \\ -2x + 5 & \text{if } x > 0 \end{cases}$

Step: $f(x) = \text{int } x$

1.1a Multiplying Polynomials

$$1. (8x - 4)(2x + 8)$$

$$16x^2 + 64x - 8x - 32$$

$$\boxed{16x^2 + 56x - 32}$$

$$2. (8n - 5)(3n - 8)$$

$$24n^2 - 64n$$
$$- 15n + 40$$

$$\boxed{24n^2 - 79n + 40}$$

$$7. (m^2 + 7m - 3)(3m + 2)$$

$$\begin{array}{l} 3m^3 + 2m^2 \\ + 21m^2 + 14m \\ - 9m - 6 \end{array}$$

$$\boxed{3m^3 + 23m^2 + 5m - 6}$$

1. Finish 1.1a then put assignment in folder

2. Do Math XL 1.1a

MUST have 100% on mathxl so get help if you need it from either **TEACHER**