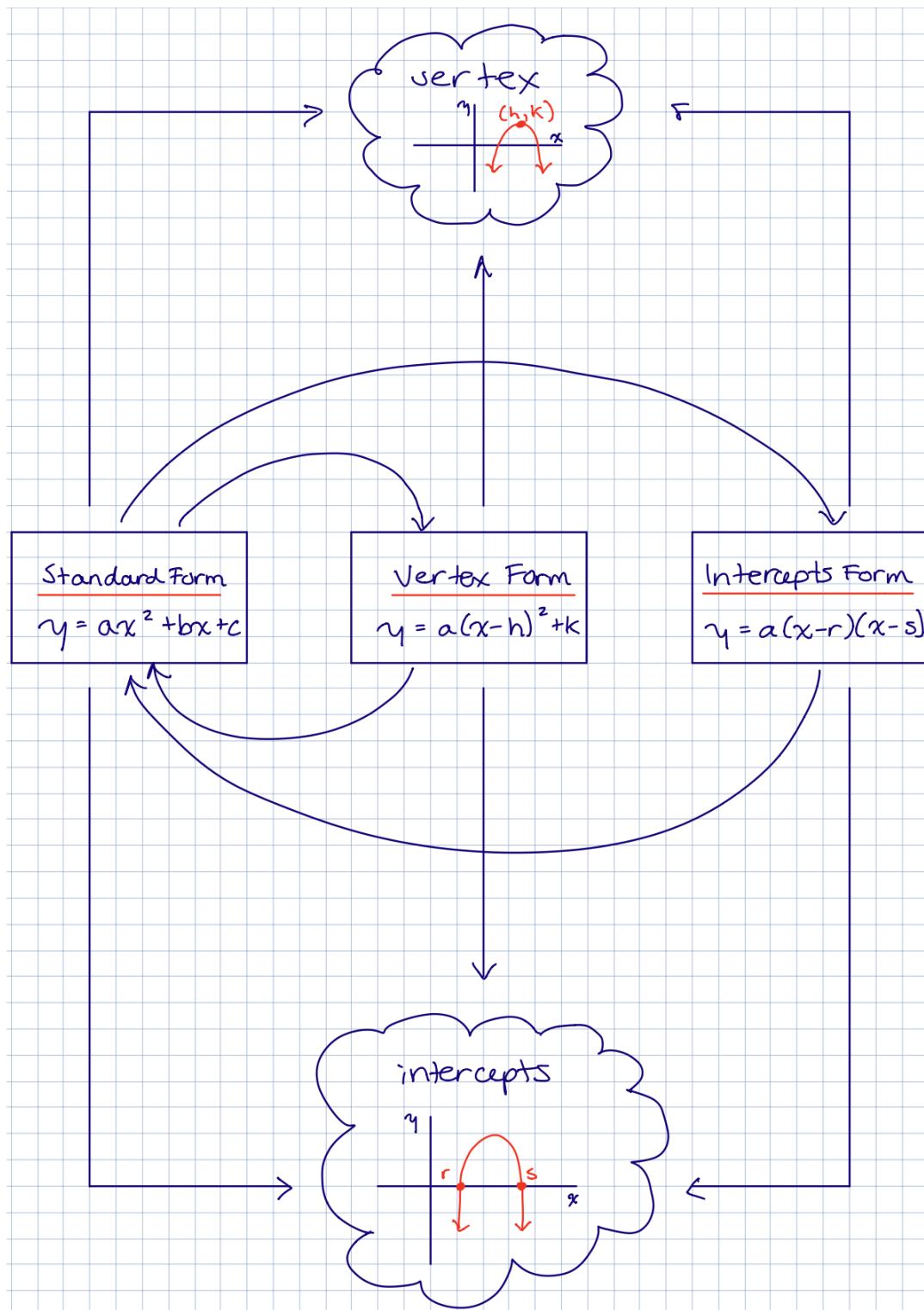


# Distributive Property with Binomials

## Quadratic Relations Concept Map



**The Product of a Two Binomials and a Polynomial**

In our last class, we reviewed how to simplify an expression like this:

$$2x(x + 3y)$$

Extension for today:

$$(2x + 4y)(x + 3y)$$

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**Example 1**

Expand, then simplify if possible.

a)  $(y + 3)(y - 4)$

b)  $(7w - 4)(3w - 1)$

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**Example 2**

Expand, then simplify if possible.

$$x(x - 4)(x + 7)$$

Aside:

Conclusion...

**Opportunity to Learn**

Use these IXL pages to master each of the concepts we discussed above. Earn a “Smart Score” of 80% or better. To follow links, go to Edsby and view this page as PDF file.

[O.8 Multiply two binomials](#)

[O.10 Multiply polynomials](#)