Review Pg. 337#4a

U4P2 – Introduction to Quadratic Relations

U4P2L1 – 3.7 Standard form of a Quadratic Relation

Students will expand polynomial expressions (multiply binomials) to write quadratic relations in standard form (ax^2+bx+c)

Examples

1. Expand:

a) $(x + 3)(x – 4)$

b) $(x – 4)^2$

c) $(x – 5)(x + 5)$

d) $(2x + 3)(3x – 7)$

2. Find the values of a and b if:

   $(x + a)(x + 3) = x^2 + 5x + b$

3. Find the standard form algebraic model that represents a parabola with zeros at 2 and -4 with a y-intercept at 16.

Ex. Pg. 297 – 301 #(1 – 6)alt, 7all (in expanded form), 8alt, 9all, 10alt, 14all, 15