

Module 1 – Special Products and Factoring

Lesson 1 – Special Products

Name _____

Find all products for each section. Show all work.

Find the product.

1. $(2m-3n)(5m+2n)$

2. $(7x-y)(2x-y)$

3. $(9+2d)(8-d)$

4. $(3b+5c)(b+8c)$

5. $(4a-2b)(2a+3b)$

Find the squares.

1. $(8+5k)^2$

2. $(5x-9y)^2$

3. $(2a+3b)^2$

4. $(7r-2s)^2$

5. $(11v+xy)^2$

Find the product of the sum and difference of the two binomials.

1. $(10f+3g)(10f-3g)$

2. $(5x+8y)(5x-8y)$

3. $(6a-14b)(6a+14b)$

4. $(17+cd)(17-cd)$

5. $(\frac{3}{4}a-\frac{1}{2}b)(\frac{3}{4}a+\frac{1}{2}b)$

Find the product of a binomial and a trinomial

1. $(2x+3y)(4x^2-6xy+9y^2)$

2. $(5a-2b)(25a^2+10ab+4b^2)$

3. $(x+4)(x^2-4x+16)$

4. $(d-e)(d^2+de+e^2)$

5. $(6s+5t)(36s^2-30st+25t^2)$

Find the cube of a binomial

1. $(x+2)^3$

2. $(3x-2)^3$

3. $(2x+5)^3$

4. $(6x-7)^3$

5. $(5r+6s)^3$