

Name: _____ Period: _____ Date: _____

Multiplying Special Cases Exit Quiz

Find the product of the following special cases

1. $(3x + 2y)(3x - 2y)$

2. $(x + 3)^2$

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

4. $(6b - 5a)^2$

5. $(a + 3c)(a - 3c)$

Multiplying Special Cases Exit Quiz

Answer:

Find the product of the following special cases

1. $(3x + 2y)(3x - 2y)$

Answer:

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

$$9x^2 - 4y^2$$

2. $(x + 3)^2$

Answer:

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

$$x^2 + 6x + 9$$

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

Answer:

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

$$9x^2 + 12xy + 4y^2$$

4. $(6b - 5a)^2$

Answer:

$$(6b)^2 - 2(6b)(5a) + (5a)^2$$

$$36b^2 - 60ab + 25a^2$$

5. $(a + 3c)(a - 3c)$

Answer:

$$(a)^2 - (3c)^2$$

$$a^2 - 9c^2$$