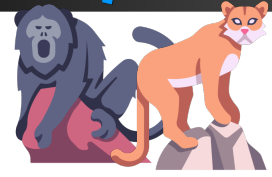


Name: _____



Multiplying Binomials

Directions: Find the product.

1. $(2a + 3)(3a - 1)$

9. $(d + 4)(d - 4)$

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

10. $(b - 2)(b + 4)$

3. $(4c - 1)(c + 2)$

11. $(x + 5)(x - 5)$

4. $(z + 4)(2z - 9)$

12. $(2g - 1)(g + 5)$

5. $(h + 5)(3h - 2)$

13. $(z - 6)(z - 2)$

6. $(2c + 3)(c + 3)$

14. $(3y - 1)(y + 8)$

7. $(4b + 3)(b - 2)$

15. $(2x + 3)(x - 4)$

8. $(a - 10)(a + 2)$

16. $(2d + 3)(2d - 3)$

ANSWER KEY

1. $(2a + 3)(3a - 1)$
 $6a^2 + 7a - 3$

9. $(d + 4)(d - 4)$
 $d^2 - 16$

2. $(2y + 1)(3y - 1)$
 $6y^2 + y - 1$

10. $(b - 2)(b + 4)$
 $b^2 + 2b - 8$

3. $(4c - 1)(c + 2)$
 $4c^2 + 7c - 2$

11. $(x + 5)(x - 5)$
 $x^2 - 25$

4. $(z + 4)(2z - 9)$
 $2z^2 - z - 36$

12. $(2g - 1)(g + 5)$
 $2g^2 + 9g - 5$

5. $(h + 5)(3h - 2)$
 $3h^2 + 13h - 10$

13. $(z - 6)(z - 2)$
 $z^2 - 8z + 12$

6. $(2c + 3)(c + 3)$
 $2c^2 + 9c + 9$

14. $(3y - 1)(y + 8)$
 $3y^2 + 23y - 8$

7. $(4b + 3)(b - 2)$
 $4b^2 - 5b - 6$

15. $(2x + 3)(x - 4)$
 $2x^2 - 5x - 12$

8. $(a - 10)(a + 2)$
 $a^2 - 8a - 20$

16. $(2d + 3)(2d - 3)$
 $4d^2 - 9$