

Name: _____

Date: _____

Combining Functions Color by Number Activity

1. GREEN

$$(f + g)(2)$$

$$f(x) = 7x^2 + 3$$

$$g(x) = 1 - 4x^2 + 8x$$

4. YELLOW

$$(f - g)(0)$$

$$f(x) = 4x - 7$$

$$g(x) = 6x + 4$$

2. RED

$$(f - g)(-1)$$

$$f(x) = 4x^2 + x$$

$$g(x) = 1 + 3x^2 + x$$

5. BLUE

$$(f - g)(-3)$$

$$f(x) = 6x - 5x^2$$

$$g(x) = 4x^2 + 6x$$

3. ORANGE

$$(f - g)(1)$$

$$f(x) = 6x^2 + 7x$$

$$g(x) = 7 - 6x + 4x^2$$

6. PINK

$$(f + g)(2)$$

$$f(x) = 6x^2 + 7$$

$$g(x) = 4 + 7x^2$$

7. RED

$$(f - g)(4)$$

$$f(x) = 4x^2 + 1$$

$$g(x) = 4x + 8x^2 - 2$$

9. BLUE

$$(f - g)(2)$$

$$f(x) = 5 - 4x$$

$$g(x) = 8x - 2 - 8x^2$$

8. ORANGE

$$(f + g)(-1)$$

$$f(x) = 4x^2 + 6x$$

$$g(x) = 8x^2 + 6x - 6$$

10. GREEN

$$(f - g)(-3)$$

$$f(x) = 3x - 3$$

$$g(x) = 7 + r$$

