

Function Addition

$$(f + g)(x) = f(x) + g(x)$$

STEPS

1. Substitute in each function
2. Simplify by combining like terms

EXAMPLES

$$f(x) = 3x - 5x^3 + 5$$

$$g(x) = x^2 - 2x - 15$$

$$k(x) = x - 4$$

$$h(x) = x^3 - 1 + 2x$$

$$h(x) + g(x)$$

_____ + _____

$$f(x) + h(x)$$

_____ + _____

$$f(x) + k(x)$$

_____ + _____

$$k(x) + g(x)$$

_____ + _____

$$f(x) + h(x) + k(x)$$

_____ + _____ + _____
