

**Operations on Functions: Adding and Subtracting Functions**

1

If $f(x) = 4x - 3$ and $g(x) = 5x + 7$, find $(f - g)(x)$.

$$(f - g)(x) =$$

- A) $x + 10$
- B) $9x + 4$
- C) $-x - 10$
- D) $-x + 4$

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2

What is $(f - g)(x)$ if $f(x) = 10x + 4$ and $g(x) = 7x + 4$?

A $17x + 8$

B $3x + 4$

C $-3x$

D $3x$

3

If $f(x) = 6x + 10$ and $g(x) = 7x + 11$, what is $(g - f)(x)$?

A $13x + 21$

B $x + 21$

C $-x - 1$

D $x + 1$

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