

Composition of Two Functions

A) 1) If $f(x) = -2x + 6$, $g(x) = 4$ and $h(x) = 1$, find the following.

a) $f(h(x))$

b) $g(f(x))$

2)

Preview

3)

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B) 1) If $f(x) = x^2 - x$ and $g(x) = -3$, which of the following represents $g(f(x))$?

i) 6

ii) 3

iii) $3x^2 + 3x$

iv) -3

2) If $g(x) = x$ and $h(x) = 4x^2 - 11$, which of the following represents $(h \circ g)(x)$?

i) $4x^2 - 11$

ii) $-4x^2 - 11$

iii) $-4x^2 + 11$

iv) $4x^2 + 11$