

Composition of Two Functions

A) 1) If $f(x) = x + 1$, $g(x) = 5x^2$ and $h(x) = -4$, find the following.

a) $g(f(x))$

b) $f(h(x))$

2)

Preview

3)

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B) 1) If $f(x) = -x + 15$ and $g(x) = 2x^2 + 9$, which of the following represents $f(g(x))$?

i) $-2x^2 + 6$

ii) $-2x - 24$

iii) $2x + 24$

iv) $-2x^2 - 6$

2) If $g(x) = 6x$ and $h(x) = 11$, which of the following represents $(g \circ h)(x)$?

i) $11x$

ii) 66

iii) $6x$

iv) 36