

Composition of Two Functions

1) If $f(x) = 7x - 9$, $g(x) = 5$, and $h(x) = 9$, find the following.

a) $(fog)(x)$

b) $(foh)(x)$

2) If $f(x) = 6x^2 - 2x + 1$, $g(x) = 3x$, and $h(x) = 8x$, find the following.

a) $(fog)(x)$

b) $(hog)(x)$

3) If $g(x) = 5x^2 - x$ and $h(x) = -x$, find the following.

a) $(goh)(x)$

b) $(hoh)(x)$

4) If $f(x) = x^2 + 4x - 10$, $g(x) = 2x - 8$, and $h(x) = -7$, find the following.

a) $(foh)(x)$

b) $(fog)(x)$
