



Composite Functions

If $f(x) = 2x$, $g(x) = x-3$ and $h(x) = x^2$

Find the following: (write x^2 as x^2)

1. $fg(x)$
2. $gf(x)$
3. $gh(x)$
4. $hf(x)$
5. $ghf(x)$
6. $hgf(x)$
7. $fg(4)$
8. $gf(7)$
9. $gh(-3)$
10. $fgf(2)$
11. $ggg(10)$
12. $hfh(-2)$
13. x if $f(x) = g(x)$
14. x if $gf(x) = 0$
15. x if $fg(x) = 4$