

# Functions



Given that...  $f(x) = 2x + 1$ ,  $g(x) = 10 - 3x$  and  $h(x) = x^2 - 2x + 1$ ...

- |                     |                   |                      |
|---------------------|-------------------|----------------------|
| a)                  | b)                | c)                   |
| Find $f(3)$         | Find $g(2x)$      | Find $h(5)$          |
| d)                  | e)                | f)                   |
| Solve $f(x) = 15$   | Solve $g(x) = 19$ | Solve $h(x) = 0$     |
| g)                  | h)                | i)                   |
| Solve $f(x) = g(x)$ | Find $fg(1)$      | Find $gf(x)$         |
| j)                  | k)                | l)                   |
| Find $fg(3x)$       | Find $fg(2x + 1)$ | Solve $fg(x) = h(x)$ |

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