$$f(x) = x + 3 \qquad g(x) = x^{2} - 3x + 4$$

$$f(g)(x) = f(g(x)) = f(x^{2} - 3x + 4) = (x^{2} - 3x + 4) + 3$$

$$f(g)(x) = x^{2} - 3x + 4$$

$$f(x) = 2x+5 \qquad g(x) = x+1 \qquad h(x) = x^2 + 4$$

$$f(x) = 4^2 + 4 = 20$$

$$h(4) = h(-1) = (-1)^2 + 4 = 5$$

$$h(4) = h(-1) = (-1)^2 + 4 = 5$$

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