

October 12, 2015

S. 1

#1) $f(x) = x^2$ $g(x) = 2x + 1$

$$\begin{aligned} (f \circ g)(-1) &= f(g(x))(-1) \\ &= (2x + 1)^2 \\ &= (2(-1) + 1)^2 \\ &= (-2 + 1)^2 \\ &= (-1)^2 \\ &= 1 \end{aligned}$$

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#3)

$$f(x) = 4 - 3x$$

$$g(x) = |x|$$

$$\begin{aligned} (g \circ f)(-3) &= |4 - 3(-3)| = |4 + 9| \\ &= |13| \\ &= 13 \end{aligned}$$

Oct 12-11:25 AM

$$(g \circ f)($$

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