

$$7. f(x) = a - x.$$

$$\begin{aligned} f(f(x)) &= a - f(x) \\ &= a - (a - x) \\ &= x \end{aligned}$$

$$\therefore \underline{\underline{f(f(x)) = x}}$$

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$$8. f(x) = 1 + 2x$$

$$g(x) = a + bx$$

terus

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

terus lamben

$$\begin{aligned} (g \circ f)(x) &= g(f(x)) = a + bf(x) \\ &= a + b(1 + 2x) \\ &= a + b + 2bx \end{aligned}$$

$$\text{Seja } \underline{(f \circ g)(x)} = \underline{(g \circ f)(x)}$$

$$\underline{1 + 2a + 2bx} = \underline{a + b + 2bx} \quad \therefore \underline{\underline{a = b - 1}} \rightarrow$$