

$$g(x) = 4x^2 - 3$$

$$h(x) =$$

$$2x^3 + 3x^2 + x - 5$$

$$g(h(x)) \neq h(g(x))$$

$$f(x) = 3x^2 + 4$$

$$h(x) = 2x^3 + 3x^2 + x - 5$$

~~$f(x)$~~   
 ~~$h(x)$~~

$$f(x) = 3x^2 + 4 \quad \sim \quad g(x) = 4x^2 - 3$$

$$f(g(x)) \neq g(f(x))$$