

25 (a) $(f \circ g)(x) = f(g(x)) = f(\sqrt{1-x}) = (\sqrt{1-x})^2 = 1-x$; $D = \{x \mid x \leq 1\}$

(b) $(g \circ f)(x) = g(f(x)) = g(x^2) = \sqrt{1-x^2}$; $D = \{x \mid -1 \leq x \leq 1\}$

(c) $(f \circ f)(x) = f(f(x)) = f(x^2) = (x^2)^2 = x^4$; D is all real numbers.