

161 Quiz 14

Name _____

Let F be given by the ordered pairs $F = \{(0,1), (1,2), (2,0)\}$ and G be given by the ordered pairs $G = \{(0,0), (1,2), (2,1)\}$.

1. The composite function $G \circ F$ is given by the ordered pairs

$$G \circ F = \{(0, _), (1, _), (2, _)\}$$

2. The composite function $F \circ G$ is given by the ordered pairs

$$F \circ G = \{(0, _), (1, _), (2, _)\}$$

Let $f(x) = x^2$, $g(x) = 1 - x$

3. Find $f \circ g(x)$

4. Find $g \circ f(x)$

Let $h(x) = \frac{x+1}{2}$, $j(x) = 2x - 1$

5. Find $j \circ h(x)$

6. Find $h \circ j(x)$