



Inverse Functions and Relations

#Find $[FoG](x)$ and $[GoF](x)$, if they exist. State the domain and range for function

$$F = \{(1,8), (0,13), (15,11), (14,9)\},$$

$$G = \{(8,15), (5,1), (10,14), (9,0)\}$$

$$F[G(8)] = F(\quad) =$$

$$F[G(10)] = F(\quad) =$$

$$F[G(5)] = F(\quad) =$$

$$F[G(9)] = F(\quad) =$$

$$FoG = \{(\quad, \quad), (\quad, \quad), (\quad, \quad), (\quad, \quad)\}$$

$$\text{Domain} = \{ \quad, \quad, \quad, \quad \}$$

$$\text{Range} = \{ \quad, \quad, \quad, \quad \}$$

#Find $[FoG](x)$ and $[GoF](x)$, if they exist. (undefined)

$$F = \{(1,8), (0,13), (15,11), (14,9)\},$$

$$G = \{(8,15), (5,1), (10,14), (9,0)\}$$

$$G[F(1)] = G(\quad) =$$

$$G[F(0)] = G(\quad) =$$

$$G[F(15)] = G(\quad) =$$

$$G[F(14)] = G(\quad) =$$

$$GoF = \{(\quad, \quad), (\quad, \quad)\}$$

#Find $[FoG](x)$ and $[GoF](x)$, if they exist

$$F(x) = 2x - 5 \quad G(x) = 4x$$

$$(FoG)(x) = F(G(x)) = F(\quad) =$$

$$(GoF)(x) = G(F(x)) = G(\quad) =$$