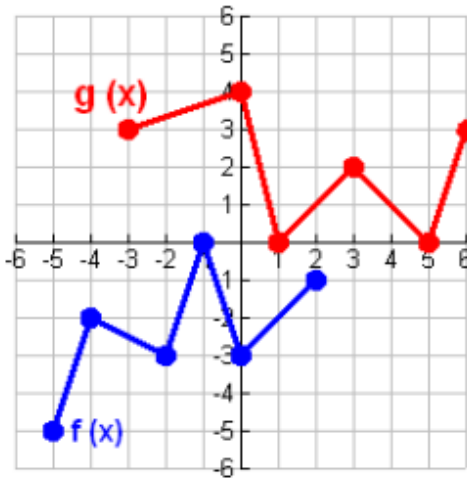


Exit Tickets Week of 3.20

Monday:

1.) Using the graph, find the composition of $f(x)$ and $g(x)$:



a.) $f(g(3)) =$ _____

b.) $g(f(-1)) =$ _____

c.) $f(g(5)) =$ _____

d.) $g(f(0)) =$ _____

e.) $f(f(-4)) =$ _____

Tuesday:

1.) Johnny bought three hotdogs and four bags of chips for a total of \$7.91. David bought two hotdogs and three bags of chips for a total of \$5.49. Frank wants to buy five hotdogs and two bags of chips. How much will Frank have to pay?

Wednesday:

3.) The shape of each arch supporting the Exchange House can be modeled by $h(x) = -0.025x^2 + 4x$, where $h(x)$ represents the height of the arch and the x represents the horizontal distance from one end of the base in meters. What is the maximum height of the arch?

Thursday: Solve each inequality

$$6 - 2|6x - 6| \geq 78$$

$$3 - 4|6 - 8x| < -37$$