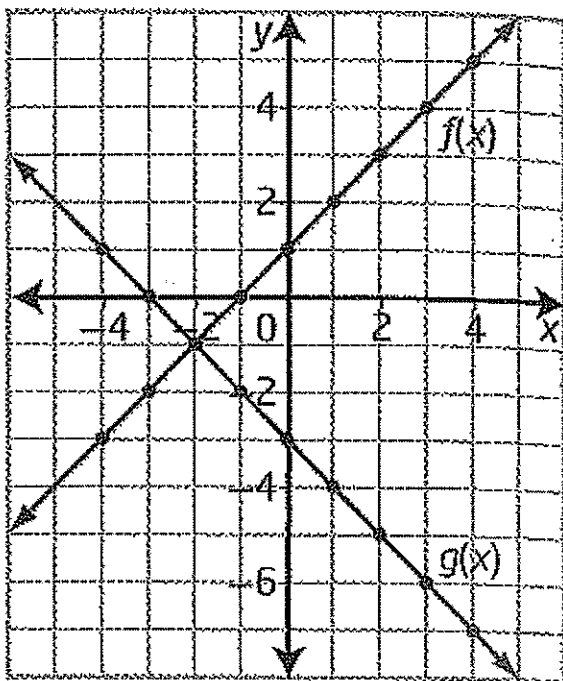
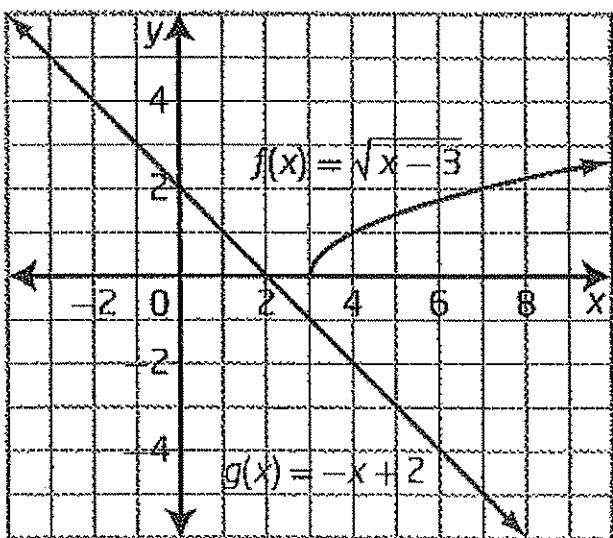


4.1 Combining Functions Graphically

Ex. 1) Sketch $h(x) = (f + g)(x)$ given the graphs of $f(x)$ and $g(x)$.

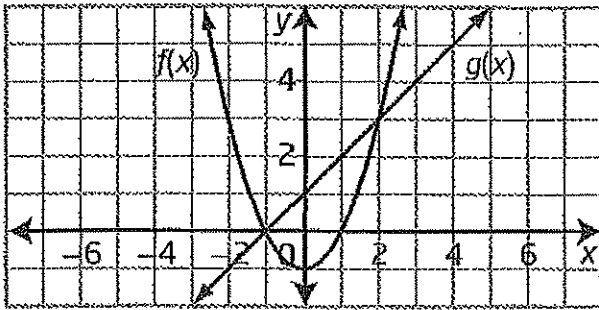


Ex. 2) Sketch $h(x) = (f - g)(x)$ given the graphs of $f(x)$ and $g(x)$.

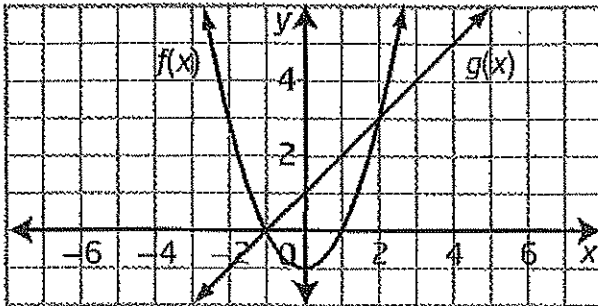


Ex. 3) Sketch

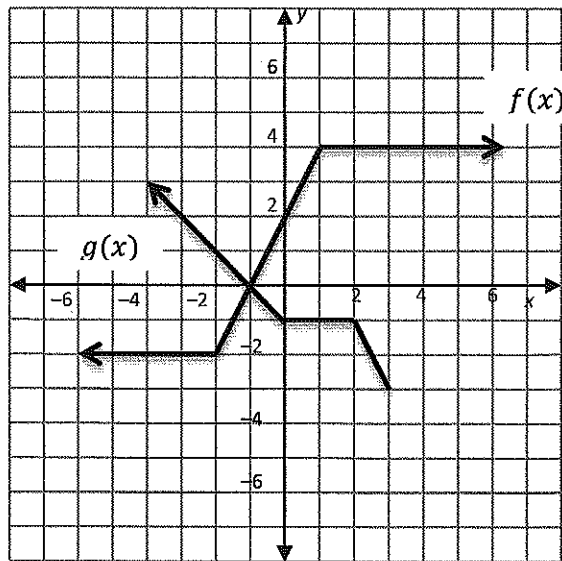
a.) $h(x) = f(x) \cdot g(x)$



b.) $h(x) = \frac{f(x)}{g(x)}$



Ex. 4) Sketch $h(x) = (f + g)(x)$ given the graphs of $f(x)$ and $g(x)$.



b.) Determine $(f + g)(2)$

Bulawka's Bullets

- ☺ The important points are the points where each graph changes direction
- ☺ Use a table of values to organize your points on each graph.
- ☺ Don't go past the smallest domain of both graphs.