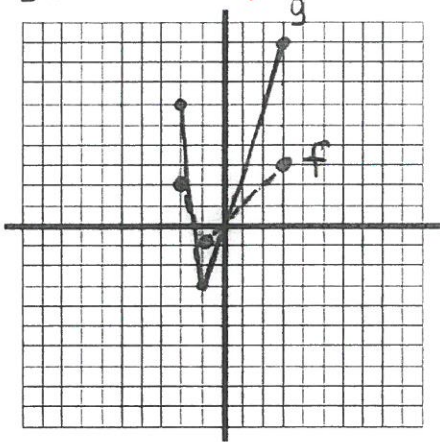


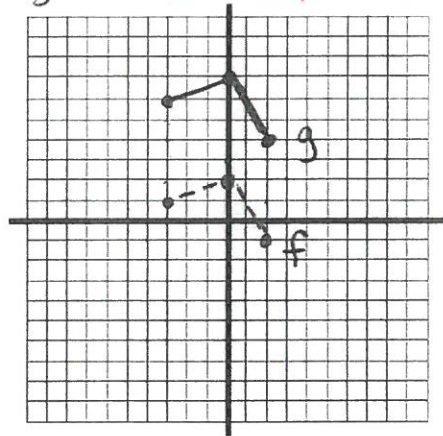
Section 1.3 Continued
Dilations and Translations

- a. Describe how the pre-image f (dotted) was transformed to get the graph of g (solid)
- b. Write an equation for $g(x)$ in terms of $f(x)$

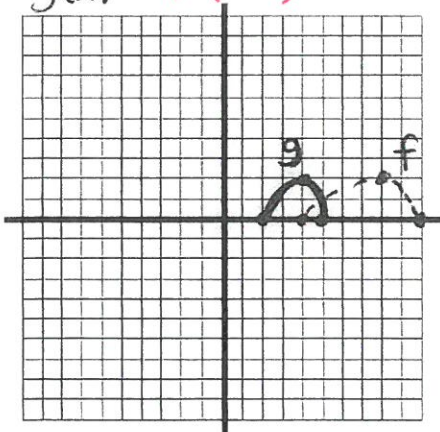
$$g(x) = 3f(x) \quad \text{v.d. of } 3$$



$$g(x) = 5 + f(x) \quad \text{v.t. of } 5$$



$$g(x) = f(2x) \quad \text{h.d. of } \frac{1}{2}$$



$$g(x) = -3 + f\left(\frac{1}{2}x\right) \quad \begin{array}{l} \text{v.t. of } -3 \\ \text{h.d. of } 2 \end{array}$$

