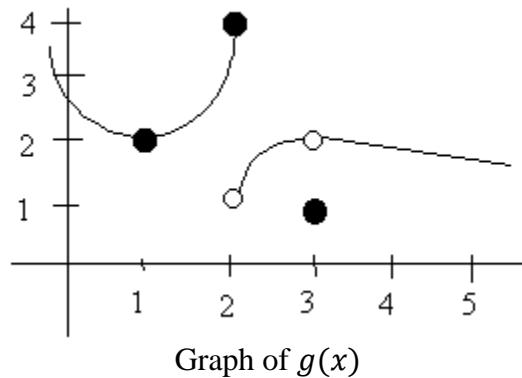
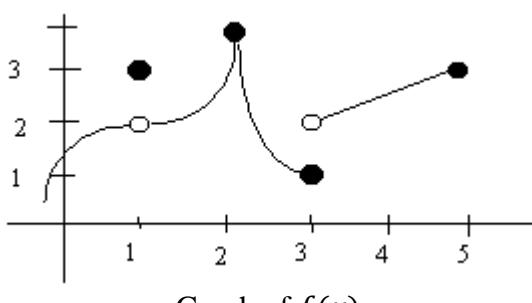


DATE: _____

Limits of Piecewise Functions

(use the properties of limits)



Using the graphs of $f(x)$ and $g(x)$ above, find:

1. $\lim_{x \rightarrow 3} (g(x) + 2)$

2. $\lim_{x \rightarrow 2} (xf(x))$

3. $\lim_{x \rightarrow 1} \frac{3f(x)}{g(x)+2}$

4. Given $h(x) = \begin{cases} 3-x & x \leq 1 \\ 2x & x > 1 \end{cases}$. Find $\lim_{x \rightarrow 1} h(x)$