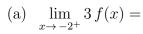
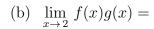
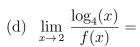
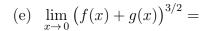
1. Answer the questions about the functions f(x) and g(x) graphed below.

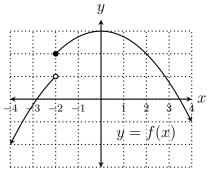


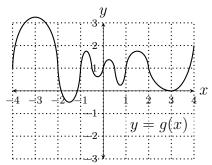


(c)
$$\lim_{x\to 0} (f(x) + g(x)) =$$

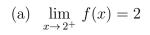








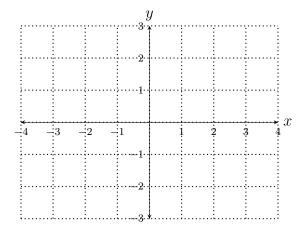
- $2. \quad \lim_{x \to -3} \frac{5x^2 x + 3}{2x + 7} =$
- 3. $\lim_{x \to 5} \frac{1}{\sqrt{x} + \sqrt{5}} =$
- 4. Draw the graph of **one** function f, with domain $[-4,2) \cup (2,4]$, meeting the following conditions.



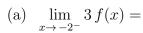
(b)
$$\lim_{x \to 2^{-}} f(x) = -1$$

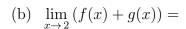
(c)
$$\lim_{x \to -2} f(x) = \frac{3}{2}$$

(d)
$$\lim_{x \to 0} f(x) = 0$$

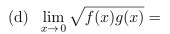


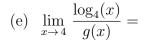
1. Answer the questions about the functions f(x) and g(x) graphed below.

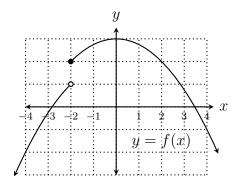


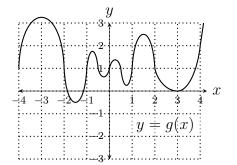


(c)
$$\lim_{x \to 0} \frac{g(x)}{f(x)} =$$

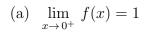








- $2. \quad \lim_{x \to 2} \frac{2x+7}{5x^2-x+3} =$
- $3. \quad \lim_{x \to 3} \frac{\sqrt{3}}{\sqrt{x} + \sqrt{3}} =$
- 4. Draw the graph of **one** function f, with domain $[-4,0) \cup (0,4]$, meeting the following conditions.



(b)
$$\lim_{x \to 0^-} f(x) = -2$$

(c)
$$\lim_{x \to 2} f(x) = \frac{1}{2}$$

(d)
$$\lim_{x \to 1} f(x) = 0$$

