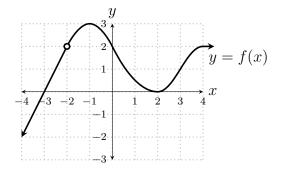
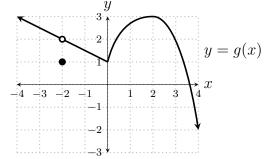


(c)
$$\lim_{x \to -2} f(x) =$$

(d)
$$\lim_{x \to 3} (f(x) - 2g(x)) =$$

(e)
$$\lim_{x \to -2} \sqrt{f(x) + g(x)} =$$

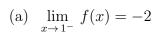


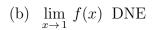


$$2. \quad \lim_{x \to 3} \frac{2^x}{x^2 - 5} =$$

$$3. \quad \lim_{x \to 4} \left(\frac{5}{2x} - \frac{1}{2} \right)^{1/3} =$$

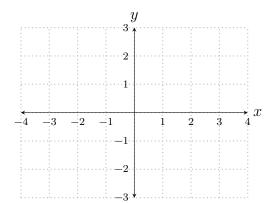
4. Draw the graph of **one** function f, with domain $[-4,1) \cup (1,4]$, meeting the following conditions.

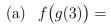


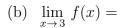


(c)
$$\lim_{x \to -2} f(x) = 0$$

(d)
$$f(-3) = f(3)$$



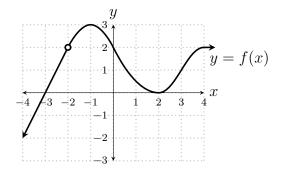


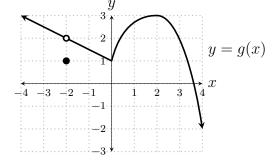


(c)
$$\lim_{x \to -2} 2f(x) =$$

(d)
$$\lim_{x \to 3} \left(f(x) + g(x) \right) =$$

(e)
$$\lim_{x \to -2} \left(\frac{1}{f(x)} + \frac{1}{g(x)} \right) =$$





$$2. \quad \lim_{x \to 3} \frac{3^x + 3}{x^2 + 1} =$$

$$3. \quad \lim_{x \to 8} \left(\frac{14}{x} + \frac{1}{2} \right)^{1/2} =$$

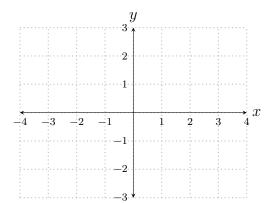
4. Draw the graph of **one** function f, with domain $[-4,1) \cup (1,4]$, meeting the following conditions.

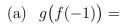
(a)
$$\lim_{x \to 1^+} f(x) = 2$$

(b)
$$\lim_{x \to 1} f(x)$$
 DNE

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

(d)
$$f(-2) = f(2)$$





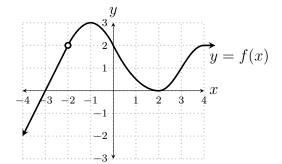
Name:

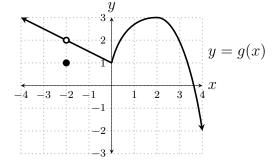
(b)
$$\lim_{x \to 2} g(x) =$$

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

(d)
$$\lim_{x \to 3} \left(f(x) - g(x) \right) =$$

(e)
$$\lim_{x \to -2} \left(\frac{5}{f(x)} + \frac{3}{g(x)} \right) =$$

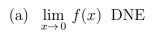




$$2. \quad \lim_{x \to 4} \frac{2^x - 1}{\sqrt{x} + 1} =$$

$$3. \quad \lim_{x \to 4} \left(\frac{5}{2x} - \frac{1}{2} \right)^{2/3} =$$

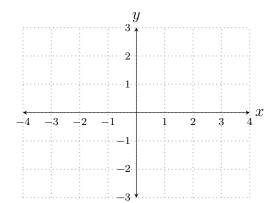
4. Draw the graph of **one** function f, with domain $[-4,0) \cup (0,4]$, meeting the following conditions.

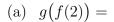


(b)
$$\lim_{x \to 0^+} f(x) = 2$$

(c)
$$\lim_{x \to -1} f(x) = 3$$

(d)
$$f(-3) = -f(3)$$





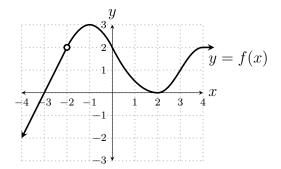
Name:

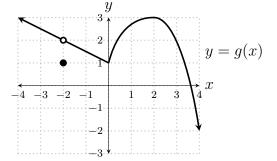
(b)
$$\lim_{x \to 2} f(x) =$$

(c)
$$\lim_{x \to 2} 4g(x) =$$

(d)
$$\lim_{x \to 3} \left(2f(x) - g(x) \right) =$$

(e)
$$\lim_{x \to -2} \frac{3 + f(x)}{\sqrt{7 + g(x)}} =$$





$$2. \quad \lim_{x \to -1} \frac{3^x}{x^2 + 1} =$$

$$3. \quad \lim_{x \to 2} \left(\frac{5}{2x^2} - \frac{1}{2} \right)^{2/3} =$$

4. Draw the graph of **one** function f, with domain $[-4, -2) \cup (-2, 4]$, meeting the following conditions.

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

(b)
$$\lim_{x \to -2} f(x)$$
 DNE

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

(d)
$$f(0) = f(2)$$

