

Given the following piecewise function:

$$-x-2, -\infty < x < -4$$

$$-6, x = -4$$

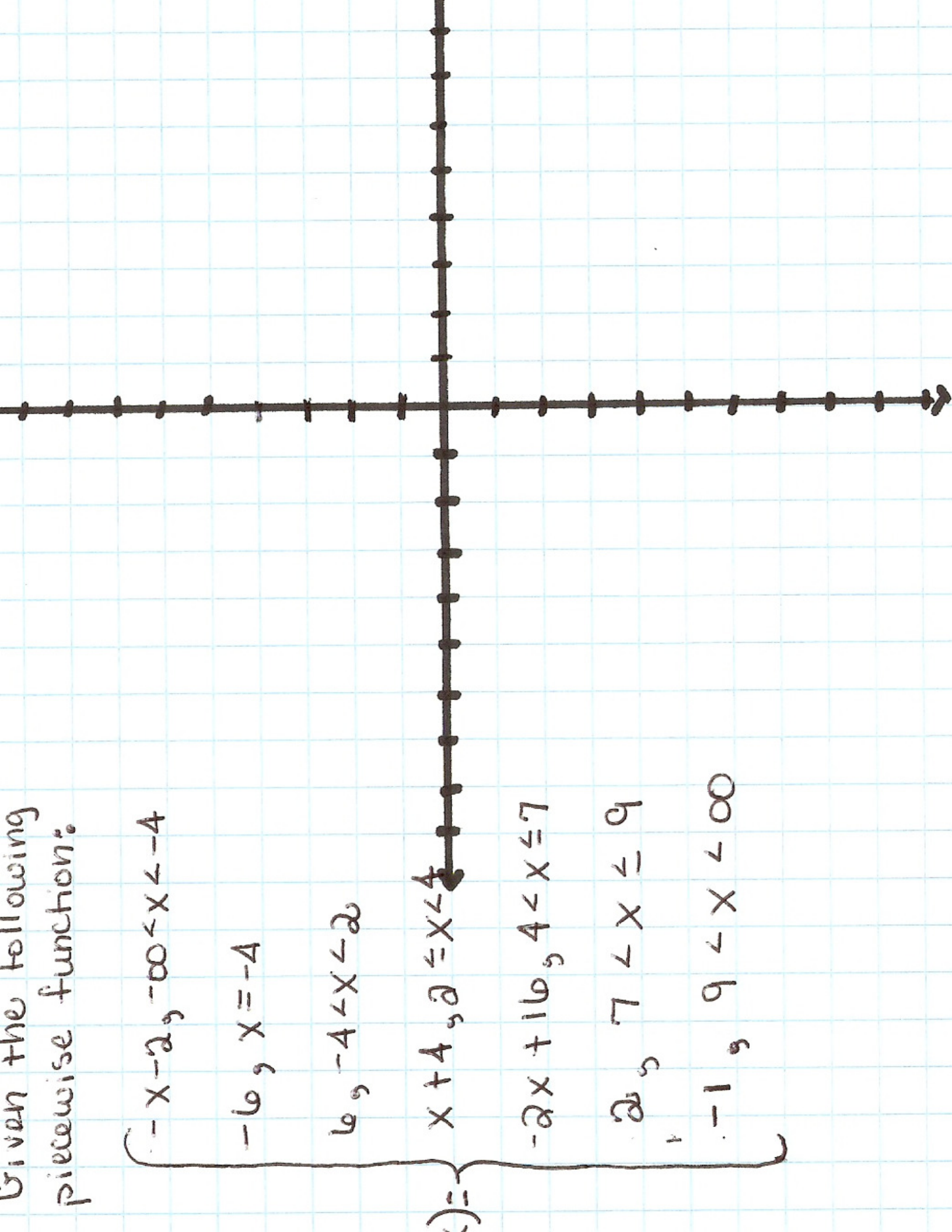
$$6, -4 < x < 2$$

$$x+4, 2 \leq x < 4$$

$$-2x+16, 4 < x \leq 7$$

$$2, 7 < x \leq 9$$

$$-1, 9 < x < \infty$$



Find.

$$\textcircled{1} \lim_{x \rightarrow -4} h(x) = \textcircled{2} \lim_{x \rightarrow 4} h(x) = \textcircled{3} \lim_{x \rightarrow 0} h(x) =$$

$$h(-4) =$$

$$h(4) =$$

$$h(0) =$$

$$\textcircled{4} \lim_{x \rightarrow 2} h(x) = \textcircled{5} \lim_{x \rightarrow 7} h(x) = \textcircled{6} \lim_{x \rightarrow \infty} h(x) =$$

$$h(2) =$$

$$h(7) =$$

$$\textcircled{7} \lim_{x \rightarrow -\infty} h(x) =$$

$\textcircled{8}$ Sketch the graph of $h(x)$.

$$\textcircled{9} \lim_{x \rightarrow 9} h(x) =$$

$$h(9) =$$