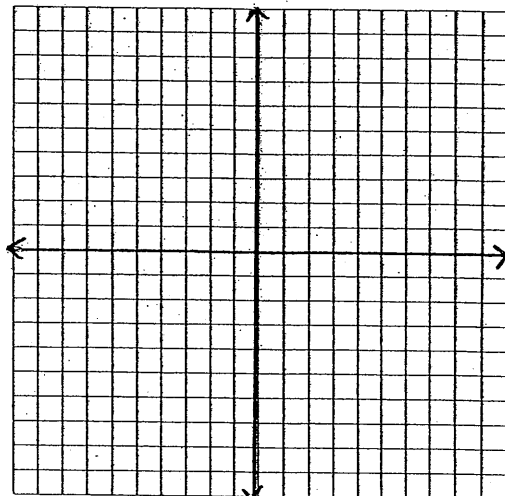


Ch.1 Limits Graph Review

1) Sketch graph satisfying given descriptions

$f(x)$



a) $\lim_{x \rightarrow -\infty} f(x) = -6$

e) $f(-4) = 5$

b) $\lim_{x \rightarrow -7} f(x) = -\infty$

f) $\lim_{x \rightarrow 2^+} f(x) = 2$

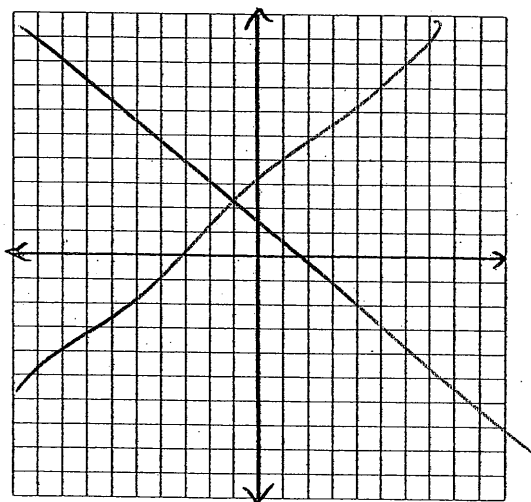
c) $\lim_{x \rightarrow -4^-} f(x) = 5$

g) $f(2) = 3$

d) $\lim_{x \rightarrow -4^+} f(x) = -3$

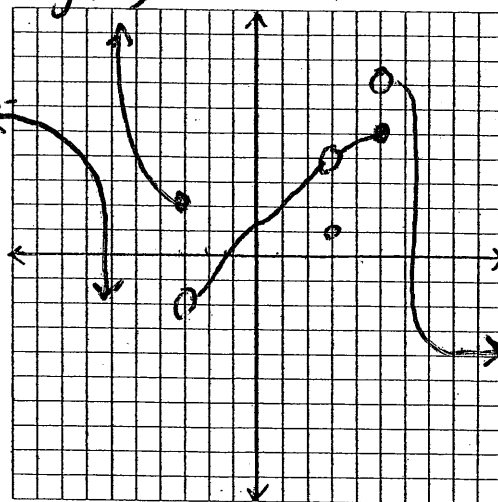
h) $\lim_{x \rightarrow 2} f(x) = \text{DNE}$

i) $\lim_{x \rightarrow \infty} f(x) = -\infty$



2) Find value of given quantity

$g(x)$



a) $\lim_{x \rightarrow -\infty} g(x) =$

f) $\lim_{x \rightarrow 5} g(x) =$

b) $\lim_{x \rightarrow -3^+} g(x) =$

g) $\lim_{x \rightarrow 6^+} g(x) =$

c) $g(-3) =$

h) $\lim_{x \rightarrow \infty} g(x) =$

d) $\lim_{x \rightarrow 1^+} g(x) =$

i) $\lim_{x \rightarrow 5^+} g(x) =$

e) $\lim_{x \rightarrow 3} g(x) =$

1) Sketch graph satisfying given descriptions

a) $\lim_{x \rightarrow -\infty} f(x) = -6$

b) $\lim_{x \rightarrow -7} f(x) = -\infty$

c) $\lim_{x \rightarrow -4} f(x) = 5$

d) $\lim_{x \rightarrow -4^+} f(x) = -3$

e) $f(-4) = 5$

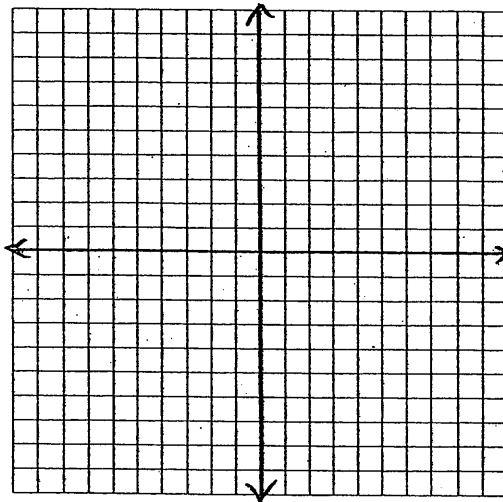
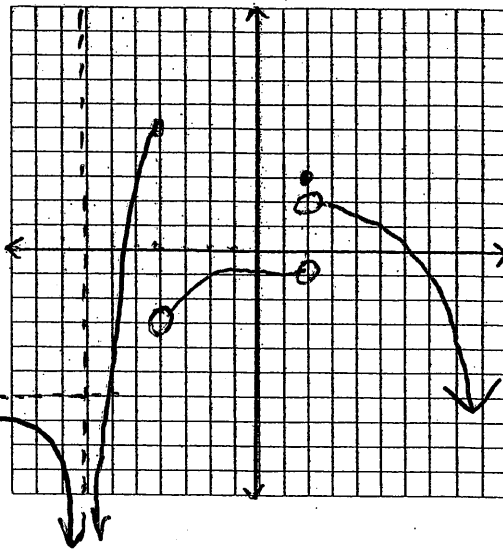
f) $\lim_{x \rightarrow 2^+} f(x) = 2$

g) $f(2) = 3$

h) $\lim_{x \rightarrow 2} f(x) = \text{DNE}$

i) $\lim_{x \rightarrow \infty} f(x) = -\infty$

$f(x)$



2) Find value of given quantity

a) $\lim_{x \rightarrow -\infty} g(x) = 6$

b) $\lim_{x \rightarrow -3^+} g(x) = -2$

c) $g(-3) = 2$

d) $\lim_{x \rightarrow 1^+} g(x) = 2$

e) $\lim_{x \rightarrow 3} g(x) = 4$

f) $\lim_{x \rightarrow 5} g(x) = \text{DNE}$

g) $\lim_{x \rightarrow 6^+} g(x) = +\infty$

h) $\lim_{x \rightarrow \infty} g(x) = -4$

i) $\lim_{x \rightarrow 5^+} g(x) = 7$

$g(x)$

