



too easy
short

1. For the function f with graph given above, find:

a. $f(3) = \frac{1}{2}$

b. $\lim_{x \rightarrow 1} f(x) = \text{DNE}$

c. $\lim_{x \rightarrow 2} f(x) = 2$

d. $\lim_{x \rightarrow 3^-} f(x) = 1$

e. $\lim_{x \rightarrow 3^+} f(x) = +\infty$

all got all

a few missed 3 or 4

fast

2. Find the following ^{ow} limits (show work):

a. $\lim_{x \rightarrow 1} x(x^2 - 3) = 1(1^2 - 3) = -2$

b. $\lim_{x \rightarrow 1} \frac{x+3}{x-2} = \frac{1+3}{1-2} = \frac{4}{-1} = -4$

c. $\lim_{x \rightarrow 2} \frac{x^2 - 2x}{x - 2} = \lim_{x \rightarrow 2} \frac{x(x-2)}{x-2} = 2$

d. $\lim_{x \rightarrow -1^+} \frac{-2}{x+1} = -\infty$

e. $\lim_{x \rightarrow \infty} \frac{2x^2 - 4}{3 + x^2} = \lim_{x \rightarrow \infty} \frac{2 - \frac{4}{x^2}}{\frac{3}{x^2} + 1} = \frac{2-0}{0+1} = 2$

all

all

1 missed,
many used
wrong
notation

all got sign
3 missed
completely

about all

took off 1 pt
for mistake

needed to (7 min)

lost 4
took 15 min

started to leave
after 4 min