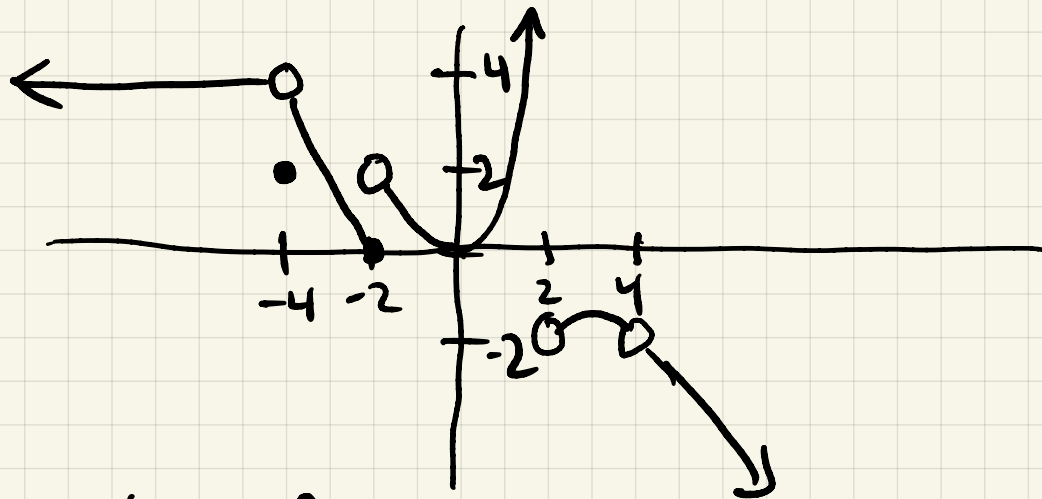


Quiz 5



1.

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

b) $\lim_{x \rightarrow -2} f(x) = \text{DNE}$ → to 0 from left
2 from right

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

d) $\lim_{x \rightarrow 2} f(x) = \text{DNE}$ left → ∞
right → -2

e) $\lim_{x \rightarrow 4} f(x) = -2$

2.

x	.1	-.1	.01	-.01	.001	-.001
$(1-2x)^{1/x}$.107	.162	.1326	.1380	.1356	.1351

x	.0001	-.0001
$(1-2x)^{1/x}$.1354	.1353

$\Rightarrow \lim \approx .135$