

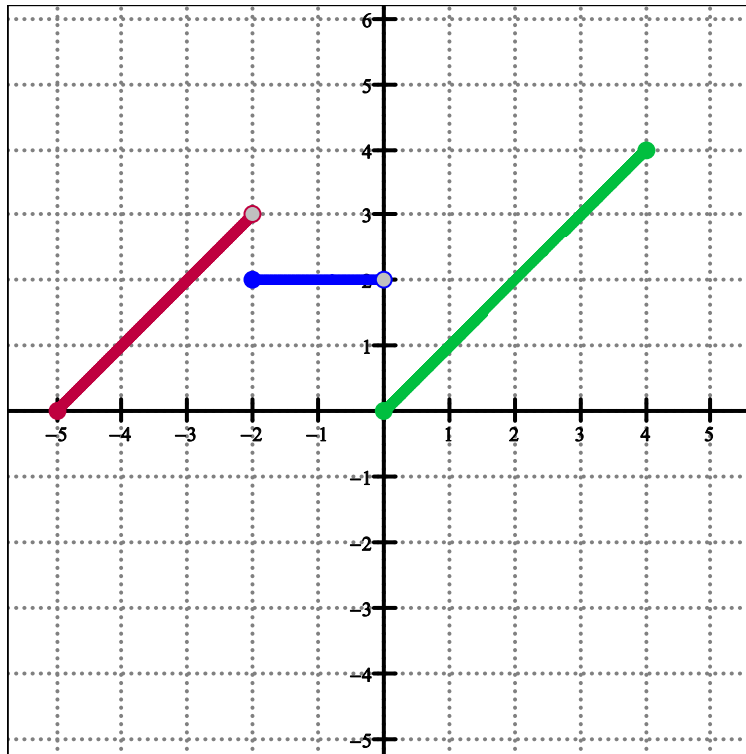
LIMITS NOTES

(Day 1)

Steps for limits:

1. Plug in!
2. Factor then plug in.
3. Graph it.

ONE-SIDED AND TWO-SIDED LIMITS



1. $\lim_{x \rightarrow -2^+} f(x) = ?$ (approach $x = -2$ from the right -- BLUE)
2. $\lim_{x \rightarrow -2^-} f(x) = ?$ (approach $x = -2$ from the left -- RED)
3. $\lim_{x \rightarrow -2} f(x) = ?$ (approach $x = -2$ from both sides -- RED AND BLUE)
4. $\lim_{x \rightarrow 0^+} f(x) = ?$ (approach $x = 0$ from the right -- GREEN)
5. $\lim_{x \rightarrow 0^-} f(x) = ?$ (approach $x = 0$ from the left -- BLUE)
6. $\lim_{x \rightarrow 0} f(x) = ?$ (approach $x = 0$ from both sides -- GREEN AND BLUE)

Answers:

1. 2	2. 3	3. DNE	4. 0	5. 2	6. DNE
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