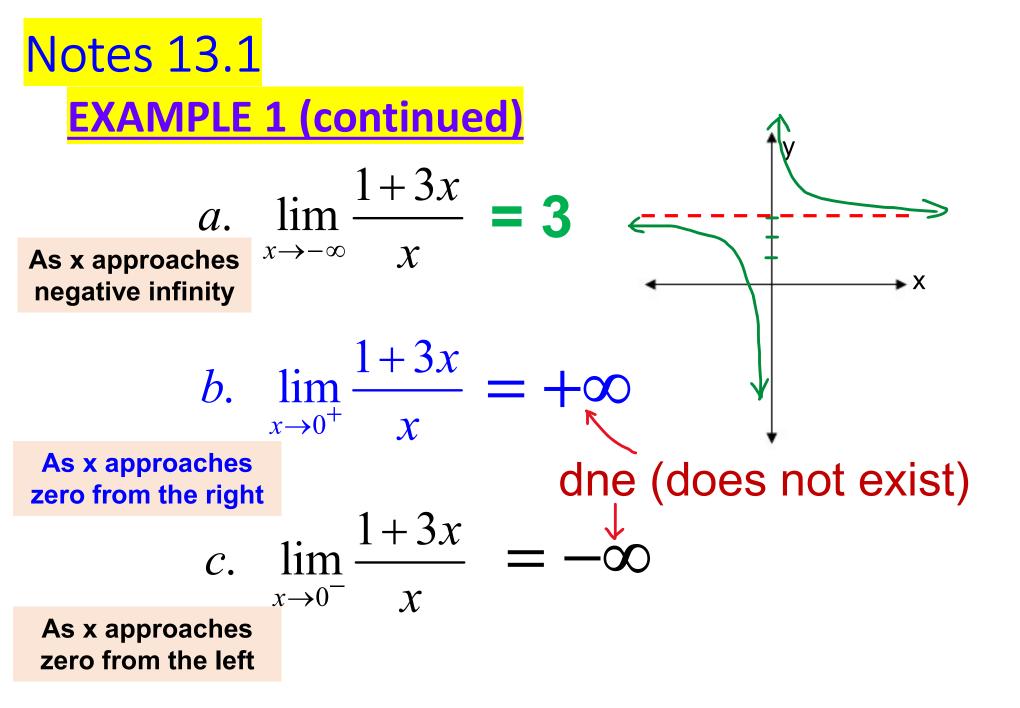
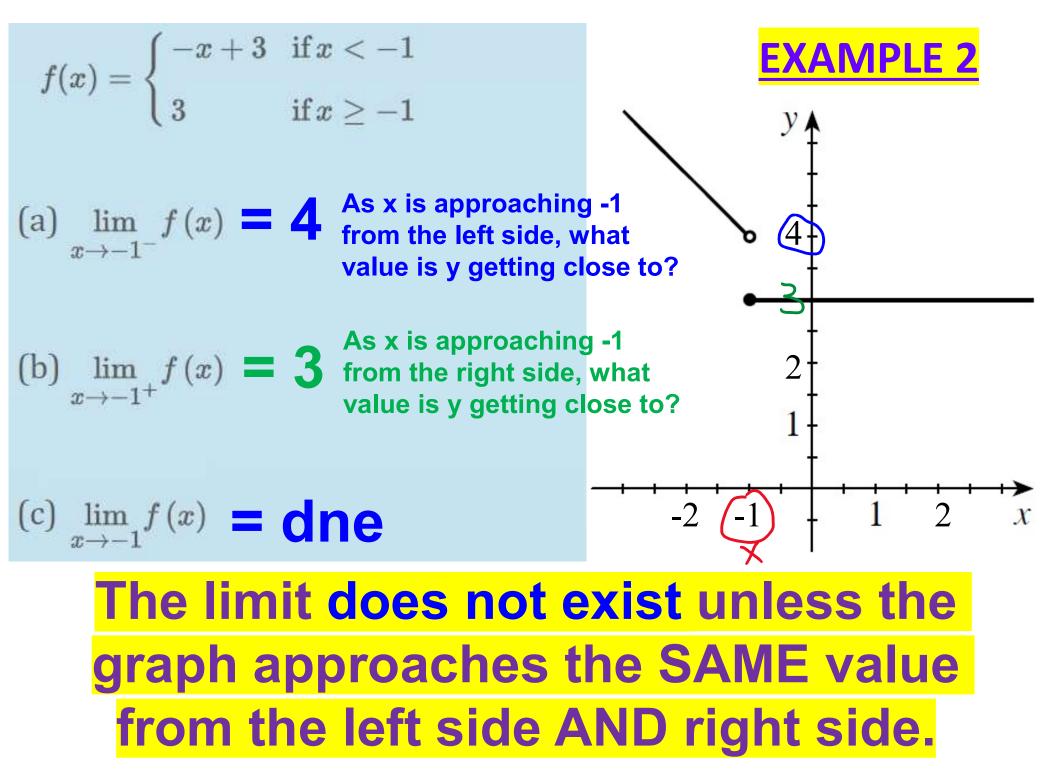


As x "approaches" ∞ (infinity), the graph gets close to zero. as $x \rightarrow \infty$, y = 3





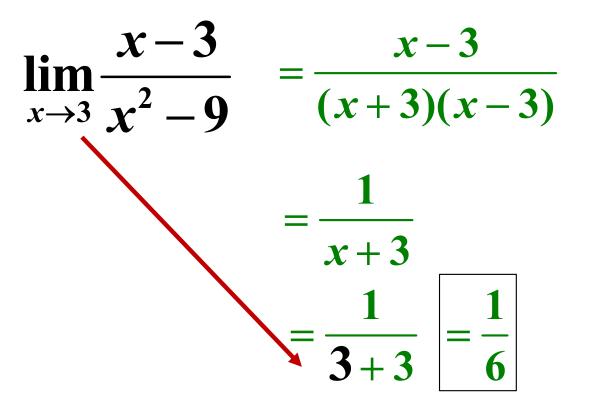
Notes: 13.2 Limits (algebraic approach)

- 1. Factor, if possible.
- 2. Cancel like terms, simplify.
- 3. Substitute numerical value and solve.

EXAMPLE: evaluate the limit, if it exists.

$$\lim_{x\to 3}\frac{x-3}{x^2-9}$$

13.2 EXAMPLE: evaluate the limit, if it exists.



Therefore, the graph is approaching 1/6 at x = 3

- 1. Factor, if possible.
- 2. Cancel like terms, simplify.
- 3. Substitute numerical value and solve.

