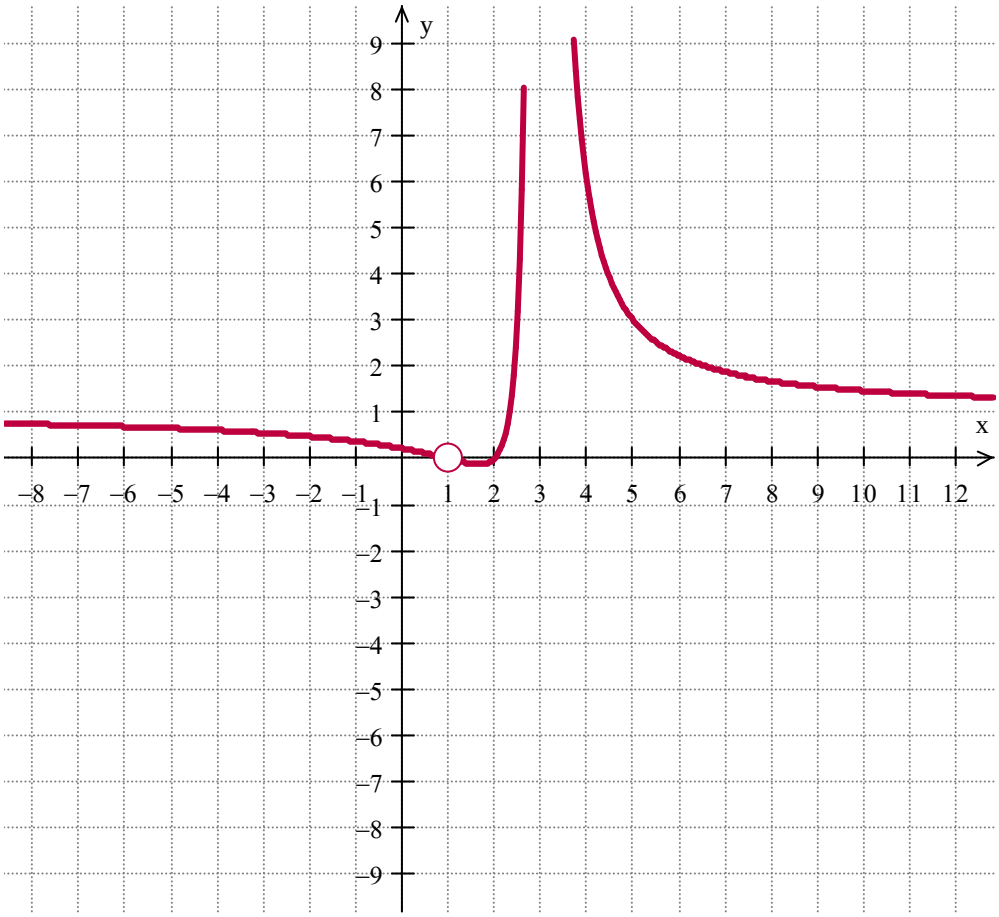
**Directions:** Use your brainzzzzzzzzzzz to find the limits of the following rational function:




| | $\lim_{x\to c^-} f(x)$ | $\lim_{x\to c^+} f(x)$ | $\lim_{x\to c} f(x)$ | $f(c)$ |
|---|---|---|---|---|
| $c=1$ | | | | |
| $c=2$ | | | | |
| $c=3$ | | | | |
| $c=9$ | | | | |
| $c=+\infty$ | | | | |
| $c=-\infty$ | | | | |

**Directions:** Use your brainzzzzzzzzzzz (and **no** graphing calculator) to find the limits of the following rational function:

$$\text{Mariel}(x) = \frac{(x-2)(x+1)^2(x+3)}{(x+2)(x-2)}$$

| | $\lim_{x\to c^-} \text{Mariel}(x)$ | $\lim_{x\to c^+} \text{Mariel}(x)$ | $\lim_{x\to c} \text{Mariel}(x)$ | $\text{Mariel}(c)$ |
|---|---|---|---|---|
| $c = 2$ | | | | |
| $c = -2$ | | | | |
| $c = 1$ | | | | |
| $c = -1$ | | | | |
| $c = -3$ | | | | |
| $c = 4$ | | | | |
| $c = +\infty$ | | | | |
| $c = -\infty$ | | | | |