

Source: [\[KBe2020math401index\]](#)

1 | Limit Laws

see [\[KBe2020math401srcLimitLawsBrainstorm\]](#).pdf

2 | Openstax Calculus Vol1 2.3 Exercises

- Link ## 84

$$\lim_{x \rightarrow 1} \frac{x^3 + 3x^2 + 5}{4 - 7x} = \frac{1 + 3 + 5}{4 - 7} = \frac{9}{-3} = \boxed{-3}$$

85

$$\lim_{x \rightarrow -2} \sqrt{x^2 - 6x + 3} = \sqrt{4 - (-12) + 3} = \boxed{\sqrt{19}}$$
