

$\frac{6x^5 - 4x^2 - 6}{6x^{10}}$ durch $6x^5$ gekürzt wäre

$$\frac{\frac{6x^5}{6x^5} - \frac{4x^2}{6x^5} - \frac{6}{6x^5}}{\frac{6x^{10}}{6x^5}} = \frac{1 - \frac{2}{3x^3} - \frac{1}{x^5}}{x^5}$$