

A rational expression is

A simplified form

$$\frac{2r^2 - 2r - 12}{9r + 18}$$

To simplify a rational expression,

$$\frac{3n^3 - 12n^2 - 180n}{8n^3 + 64n^2 + 96n}$$

$$\frac{3m^2 - 9m - 120}{2m^3 - 8m^2 - 90m}$$

$$\frac{4n + 14}{14n^2 - 32n + 8}$$

$$\frac{3x^2 - 9x + 6}{x^2 - 4}$$

$$\frac{6k^2 - 6k - 12}{k^2 + 8k + 7}$$

$$\frac{3a^2 + 48a + 189}{7a + 49}$$