

Name:

Date: Score:

Rational Expressions

Simplify

1 $\frac{x^2 + 2x - 3}{x + 3}$

2 $\frac{x^2 - 16}{x - 4}$

3 $\frac{2x^2 + 7x + 6}{x^2 - x - 6}$

4 $\frac{x^2 + 4x}{3x + 12}$

5 $\frac{y^2 + 6y}{yx + 6x}$

6 $\frac{x - 2}{2x^2 - 4x}$

7 $\frac{4x - 4}{6x - 20}$

8 $\frac{x^2 - 3x - 40}{x^2 - 11x + 24}$

Name:

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Rational Expressions

Answers

1 $\frac{x^2 + 2x - 3}{x + 3}$

2 $\frac{x^2 - 16}{x - 4}$

$\frac{x - 1}{}$

$\frac{x + 4}{}$

3 $\frac{2x^2 + 7x + 6}{x^2 - x - 6}$

4 $\frac{x^2 + 4x}{3x + 12}$

$\frac{2x + 3}{x - 3}$

$\frac{x}{3}$

5 $\frac{y^2 + 6y}{yx + 6x}$

6 $\frac{x - 2}{2x^2 - 4x}$

$\frac{y}{x}$

$\frac{1}{2x}$

7 $\frac{4x - 4}{6x - 20}$

8 $\frac{x^2 - 3x - 40}{x^2 - 11x + 24}$

$\frac{2(x - 1)}{3x - 10}$

$\frac{x + 5}{x - 3}$