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Simplifying Rational Expressions

Practice Worksheet A

1 Practice Problems

Simplify each expression.

1) $\frac{40x^6}{16x^3}$

5) $\frac{5x+30}{x+6}$

2) $\frac{45x^2}{81x^8}$

6) $\frac{7x+21}{14x+49}$

3) $\frac{4x+36}{20}$

7) $\frac{x^2-8x+15}{x-5}$

4) $\frac{33}{3x-18}$

8) $\frac{x+3}{x^2+4x+3}$

Simplifying Rational Expressions

Practice Worksheet A

1 Practice Problems

Simplify each expression.

1) $\frac{40x^6}{16x^3}$

$$\frac{5x^3}{2}$$

5) $\frac{5x+30}{x+6}$

$$5$$

2) $\frac{45x^2}{81x^8}$

$$\frac{5}{9x^6}$$

6) $\frac{7x+21}{14x+49}$

$$\frac{x+3}{2x+7}$$

3) $\frac{4x+36}{20}$

$$\frac{x+9}{5}$$

7) $\frac{x^2-8x+15}{x-5}$

$$x-3$$

4) $\frac{33}{3x-18}$

$$\frac{11}{x-6}$$

8) $\frac{x+3}{x^2+4x+3}$

$$\frac{1}{x+1}$$