

Private Screen 2

LESSON
10-3

Practice A

Simplifying Rational Expressions

Find any excluded values for each rational expression.

1. $\frac{2}{x-5}$

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

3. $\frac{x+3}{x^2+6x+8}$

Simplify each rational expression, if possible.

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

$$\frac{x+4}{(\quad)(\quad)}$$

5. $\frac{3x-18}{x^2-36}$

$$\frac{3(\quad)}{(\quad)(\quad)}$$

6. $\frac{x^2-1}{x^2+8x+7}$

$$\frac{(\quad)(\quad)}{(\quad)(\quad)}$$

Private Screen 3

7. $\frac{x+5}{x^2+7x+10}$

8. $\frac{x^2+4x-5}{x^2-4x+3}$

9. $\frac{x^2-2x}{x^2+2x-8}$

10. $\frac{3-x}{2x-6}$

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

12. $\frac{8-x}{x^2-6x-16}$

-1

2
