

Date:

Bell ringer:

Simplify.

$$1) \frac{6}{3}$$

$$2) \frac{8}{12}$$

$$3) \frac{6t+5}{12+15}$$

Learning target:

You can simplify rational expressions(algebraic fractions).

What can a denominator NEVER equal?

What are excluded values?

They are the values for the variables that would make a denominator zero.

State the excluded values.

$$① \frac{7}{x}$$

$$2) \frac{5}{x^2 y}$$

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

$$4) \frac{5}{(x+2)(x-3)}$$

$$5) \frac{9}{x^2-16}$$

Simplify and state the excluded values.

$$\textcircled{1} \frac{32x^5y^2}{4xy^7}$$

EV

$$2) \frac{4x+16}{x^2-5x-36}$$

EV

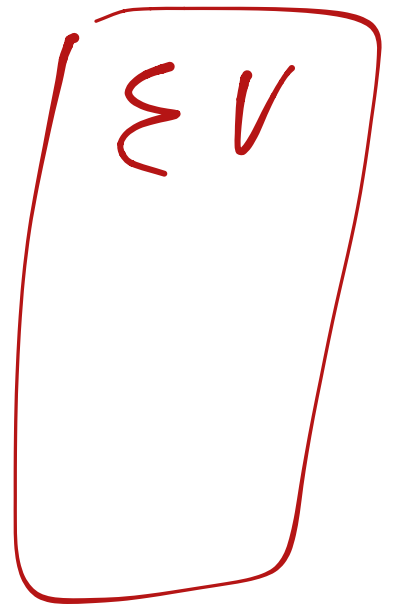
$$3) \frac{a^2 + 3a}{a^2 - 3a - 18}$$

EV

$$4) \frac{25 - x^2}{8x - 40}$$

EV

$$5) \frac{64 - c^2}{c^2 - 7c - 8}$$



$$6) \frac{5}{2x + 3}$$



Assignment

pages 693-694

2-8E, 12, 14, 18-28E, 38, 40