

1.
$$\frac{x^2 - 8x + 15}{x^2 - 13x + 40} = \frac{(x-3)(x-5)}{(x-5)(x-8)}$$

1.
$$\frac{(x-3)}{(x-8)}$$

2.
$$\frac{8x + 64}{x^2 - 64} = \frac{8(x+8)}{(x+8)(x-8)}$$

2.
$$\frac{8}{x-8}$$

For what value is the expression undefined?

3.
$$\frac{x^2 - 13x + 40}{x^2 - 13x + 40} = 0$$

$$(x-8)(x-5) = 0$$

$$x = \{-5, 8\}$$

3.
$$x \neq \{-5, 8\}$$

4.
$$\frac{8x + 64}{x^2 - 64} = 0$$

$$(x+8)(x-8) = 0$$

$$x = \{-8, 8\}$$

4.
$$x \neq \{-8, 8\}$$

Multiply or divide as indicated.

5.
$$\frac{4x+20}{x} \cdot \frac{5}{x^2 - 25} = \frac{4(x+5)(5)}{(x+5)(x-5)} = \frac{20(x+5)}{(x+5)(x-5)} =$$

5.
$$\frac{20}{x-5}$$

6.
$$\frac{x^2 - 49}{x+9} \div \frac{x+7}{x^2 - 81} = \frac{(x+7)(x-7)}{x+9} \cdot \frac{(x+9)(x-9)}{x+7}$$

6.
$$(x-7)(x-9)$$

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L Towne

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must be great friends norah yeah i am a great friend

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