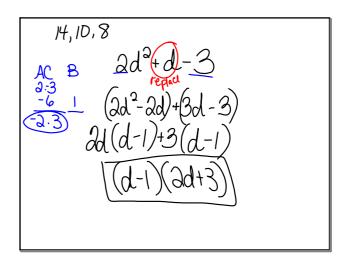
Essential Skills Quiz
You will need a graphing calculator.



Feb 25-3:26 PM

Feb 26-9:28 AM

Day 1 - Multiplying & Dividing Rational Expressions 2-25-15

Steps for Multiplying Rationals:

1) Factor everything (numerators and denominators).

2) Cancel matching factors from top and bottom.

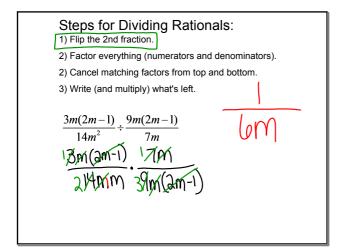
3) Write (and multiply) what's left.

Today it will already be factored for you.

Not tomorrow though:)

Example 1:
$$\frac{1}{1(b+6)} \cdot \frac{7(b+6)}{b-2} = \frac{1}{b-2}$$
Example 2:
$$\frac{2 \cdot 8(p+2)}{(p+2)(p+9)} \cdot \frac{(p-9)(p+9)}{3 \cdot 9(p+7)} = \frac{2(p-9)}{3(p+7)}$$
Example 3:
$$\frac{312}{(7-n)} \cdot \frac{(n-6)(n-7)}{28n^2} = \frac{3(n-6)}{2n^2} = \frac{3(n-6)}{2n^2}$$

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Example 4:
$$(n-1)(n+7)$$
 $n+8$ $3(n+8)$ $3(n-1)(n+7)$ Example 5: $\frac{x-4}{5(x+3)} \cdot \frac{(x+7)(x-4)}{10x^2(x+3)} \cdot \frac{x+7}{5(x+7)(x-4)} \cdot \frac{x+7}{(x+7)(x-4)} \cdot \frac{$

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Conclusion

- 1. What do we need to do to simplify rational expressions? Factor, cancel top to bottom
- 2. What is the first step when dividing rational expressions? flip and fraction
- 3. Tomorrow what will the first thing you do?
- 4. Questions?????

Multiply and Divide Rational Expressions
Wkst