

How do I divide rational expressions?

- 1) Take the reciprocal of the second fraction (keep the first fraction the same) and change the division symbol, \div , to the multiplication symbol, \cdot .
- 2) Factor the numerators.
- 3) Factor the denominators.
- 4) Cancel **ALL PAIRS** of factors common to the numerators and denominators.
- 5) Multiply the numerators. Multiply the denominators.

Example 5: Divide.