Rational Puzzles

1. Simplify: \( \left( \frac{C}{2AB} + \frac{3}{4WSB} \right) \cdot \frac{(2SB)^2}{Y^2E^3L^2} \cdot \frac{WA(LEY)^3}{2BCW+3AB} \)

2. Simplify: \( \frac{(6KMQ)^2}{(5P)^3} \div \frac{7Q^2MKA^2}{(5EP^2)^2} \cdot \frac{35A^2}{9EKP} \)

3. Simplify: \( \frac{2ET^3}{15ACB^2} \div \frac{(KA)^2}{100ZR^2} \cdot \frac{A^4C^2}{18BT^2} \div \frac{20ERZ}{(3KB)^3} \)

4. Simplify: \( \frac{(6KR)^2}{(5AP)^3} \div \frac{7RL^2K}{(5EP^2)^2} \cdot \frac{35A^4L^3}{9KPE} \)

5. Simplify: \( \frac{(6YEM)^2}{(5AC)^3} \div \frac{28Y^2H}{(5BEA^2T)^2} \cdot \frac{35C^3H^2}{9E^4MB^2T} \)

6. Simplify: \( \frac{(6KED)^2}{(5ACF)^3} \div \frac{14K^2}{(5A^2BC^2)^2} \cdot \frac{35YF^3}{9CDE^2B^2} \)
Rational Puzzles

7. Make your own Rational Puzzle that spells out a word. It must have at least 6 fractions in it and you cannot use any of the above problems with different letters. Write the rational puzzle below as well as the correct answer. Make it your own and get creative!