MATH 6 HOMEWORK 21

March 27, 2022

1. Simplify:

(a) $\left(\dfrac{5a^2b^5}{15^2a^3b^3}\right)^5 \cdot \dfrac{3 \cdot b^{10}}{a^5} =$

(b) $\left(\dfrac{24ab^3}{16b}\right)^2 \cdot \dfrac{4}{9a^2b^4} =$

2. Simplify the following and show the answer in the exponent form

a) $\dfrac{42^2}{6^2} =$

b) $\dfrac{6^5 \cdot 2^4}{3^5 \cdot 2^7} =$

3. Open parenthesis:

$$(a - b)(a + b) =$$

4. Add fractions, simplify:

(a) $b - \dfrac{ab}{a+b} =$

(b) $\dfrac{b-2a}{b+a} - \dfrac{b+2a}{b-a} =$

5. Make a problem for a friend to solve, make sure you can solve it yourself 😊