

NAME:

CLASS:

DATE:

Mathematics

Division of Simple Algebraic Expressions

Instructions: Answer each of the following questions below as shown in the example:

$$2 \frac{1}{2} b^3 c^7 \div -\frac{3}{4} b^5 c^{-3} d^2 = -\frac{10}{3} b^{-2} c^{10} d^{-2}$$

Type your answer as: $-10/3b^{(-2)}c^{10}d^{(-2)}$.

1) $16a^4 b^3 \div 4 a^2 b =$

2) $-156x^5 y^4 / 12xy^3 =$

3) $\frac{90p^9 q^7}{-6p^5 q^6} =$

4) $-135 l^{10} m^6 n^3 \div -15 l^8 m^{-2} n^2 p^2 =$

5) $2 \frac{5}{6} r^2 s^5 t^7 \div 1 \frac{2}{15} r s^3 t^2 =$

6) $-2 \frac{5}{8} e^5 f^6 g^{-7} \div 5 \frac{1}{4} e^8 f^{-1} g^{-3} h^{-3} =$

7) $\frac{-4 \frac{4}{5} w^{-5} x^{13} y^{-24} z^8}{-1 \frac{3}{5} a w^2 x^{11} y^{-19} z^8} =$