

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

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

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

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

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

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

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