Division of Algebraic Expressions Ex 8.2 Q5

Answer :

$$\frac{72xyz^2}{-9xz}$$

$$= \frac{72\times x\times y\times z\times z}{-9\times x\times z}$$

$$= -8x^{(1-1)}yz^{(2-1)}$$

$$= -8yz$$

Division of Algebraic Expressions Ex 8.2 Q6

Answer :

$$\frac{-72a^4b^5c^8}{-9a^2b^2c^3}$$

$$= \frac{-72\times a\times a\times a\times a\times b\times b\times b\times b\times b\times c\times c\times c\times c\times c\times c\times c\times c}{-9\times a\times a\times b\times b\times c\times c\times c}$$

$$= 8a^{(4-2)}b^{(5-2)}c^{(8-3)}$$

$$= 8a^2b^3c^5$$

Division of Algebraic Expressions Ex 8.2 Q7

Answer :

$$\frac{16m^3y^2}{4m^2y}$$

$$= \frac{16 \times m \times m \times m \times y \times y}{4 \times m \times m \times y}$$

$$= 4m^{(3-2)}y^{(2-1)}$$

$$= 4my$$

Division of Algebraic Expressions Ex 8.2 Q8

Answer :

$$\frac{32m^2n^3p^2}{4mnp}$$

$$= \frac{32 \times m \times m \times n \times n \times n \times p \times p}{4 \times m \times n \times p}$$

$$= 8m^{(2-1)}n^{(3-1)}p^{(2-1)}$$

$$= 8mn^2p$$

********** END **********