

Math Plus Honors U5D2 Homework KEY

$$\frac{-15x^6y^5z}{-3x^5y^3} = \boxed{5xy^2z}$$

$$\frac{(2a^2b^4)^3}{4a^3b^7} = \boxed{2a^3b^5}$$

$$\left(\frac{12x^5}{15x}\right)^2 = \boxed{\frac{16}{25}x^8}$$

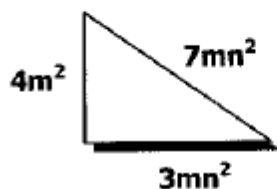
$$\frac{(8cd^3)(-3c^4) - 9c^3d^2}{6c^2d} = \frac{-24c^5d^3 - 9c^3d^2}{6c^2d} = -4c^3d^2 - \frac{9c^3d^2}{6c^2d} = -4c^3d^2 - \frac{3}{2}c^3d^2 = \boxed{-\frac{11}{2}c^3d^2}$$

Find the **perimeter** and **area**:



$$\begin{aligned} P &= 2(3ab^2) + 2(5a^2b^4) \\ &= 6ab^2 + 10a^2b^4 \\ A &= (3ab^2)(5a^2b^4) \\ &= 15a^3b^6 \end{aligned}$$

Find the **perimeter** and **area**:



$$\begin{aligned} P &= 4m^2 + 7mn^2 + 3mn^2 \\ &= 4m^2 + 10mn^2 \\ A &= \frac{1}{2}(4m^2)(3mn^2) \\ &= 6m^3n^2 \end{aligned}$$