$$\frac{1}{p^{m}} = \frac{p^{m}}{p^{m}} \times \frac{q^{n}}{q^{n}} \times \frac{r}{q^{n}}$$

$$P^2$$
 $X | X |$

2. does GCD(a,6) divide 6?

$$\frac{6}{9^{cD}} = \frac{6}{2^{m-2} \times 2^{n}}$$

$$\frac{-p^{m-2} \times 2^{n}}{p^{m-2} \times 2^{n}}$$

$$= \left(\frac{p^{m-2}}{p^{m-2}}\right) \times \left(\frac{2^{m^2}}{2^{n}}\right)$$



