## Greatest Common Factor

GCF
12 and 36
$12=1,12,6,2,3,4$
$36=6,9,4,1,36$
$12,3,18,2$

$$
\begin{aligned}
& x^{3} \text { and } x^{5} \quad x^{3} \\
& \left.x^{3}=x \cdot x\right) x \\
& x^{5}=x \cdot x \cdot x \\
& x
\end{aligned}
$$

Rule for GCF if it is a variable
$x^{6}$ and $x^{4}$
$\mathrm{x}^{6}=\mathrm{xxxxxx}$
$\mathrm{x}^{4}=\mathrm{xx} x \mathrm{x}$
$x^{4}$

$x^{5}$




$$
4 x^{3}+3 x^{2}+3 x
$$

