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More Math in LaTeX

Monday, January 27, 2014

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Theorem 1 *Let G be an abelian group and let*

$$c^n = c * c * c * \ldots * c \text{ for } n \text{ factors } c$$

, where $c \in G$ and $n \in Z^+$ (positive integers). Give a mathematical induction proof that

$$(a * b)^n = (a^n) * (b^n) \forall a, b \in G \tag{1}$$

New example from the Practice.pdf on BlackBoard

$$\begin{aligned}
\frac{dx_1}{dt} &= x_1 - 2x_2 \\
\frac{dx_1}{dt} &= 5x_1 - x_2
\end{aligned}$$

More words here