

**Exemplo 12.7.** Prove que para todo  $n \in \mathbb{Z}$ , se  $n$  é ímpar então  $3n + 9$  é par.

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**Exemplo 12.8.** Sejam  $a, b \in \mathbb{R}$ . Se  $0 \leq a < b$  então  $a^2 < b^2$ .

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**Exemplo 13.4.** Sejam  $a, b, c \in \mathbb{R}$  e  $a > b$ . Prove que, se  $ac \leq bc$ , então  $c \leq 0$

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