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Review of Prerequisite Skills

p3 #7c

$$7c) \quad \underbrace{n^2}_{\overbrace{n} \cdot \overbrace{n}} - \underbrace{7n}_{7 \cdot n} = 0$$

Common

factoring

$$(n)(n - 7) = 0$$

Solve
for
roots

$$n = 0$$

or

$$n - 7 = 0$$

$$n = 7$$

Check

① $n = 0$

$$LS = (0)^2 - 7(0)$$

$$LS = 0 = RS$$

$\therefore n = 0$ true.

② $n = 7$

$$LS = 7^2 - 7(7)$$
$$= 49 - 49$$

$$= 0 = RS$$

$\therefore n = 7$ is true.