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* Solve $3x + 9(x+1) = 4x + 9$ ① Simplify each side

$3x + 9x + 9 =$ ↓

$\rightarrow$ $12x + 9 = 4x + 9$ ② get variables on only 1 side

$-12x \quad -12x$

$9 = -8x + 9$

$-9 \quad -9$

$\frac{0}{-8} = \frac{-8x}{-8}$

$\rightarrow$ $0 = x$ $\leftarrow$

$3x + 9(x+1) = 4x + 9$

$3(0) + 9(0+1) = 4(0) + 9$

$0 + 9(1) \qquad 0 + 9$

$0 + 9 \qquad 9$

$9 \qquad =$