

1. To the right of each line in the simplification of the algebraic expression, state the appropriate field property (including the operation “+” or “*” that applies) that justifies the step taken from the last line:

$$\begin{aligned} & -15 + 3(x + 5) \\ = & -15 + (3x + 15) && \underline{\hspace{10em}} \\ = & -15 + (15 + 3x) && \underline{\hspace{10em}} \\ = & (-15 + 15) + 3x && \underline{\hspace{10em}} \\ = & 0 + 3x && \underline{\hspace{10em}} \\ = & 3x && \underline{\hspace{10em}} \end{aligned}$$

2. To the right of each line in the simplification of the algebraic expression, state the appropriate field property (including the operation “+” or “*” that applies) that justifies the step taken from the last line:

$$\begin{aligned} & 7(x - 4) + 3 \\ = & 7(x + (-4)) + 3 && \underline{\hspace{10em}} \\ = & (7x + (-28)) + 3 && \underline{\hspace{10em}} \\ = & 7x + ((-28) + 3) && \underline{\hspace{10em}} \\ = & 7x + (-25) && \underline{\hspace{10em}} \\ = & 7x - 25 && \underline{\hspace{10em}} \end{aligned}$$