Exercise 27

In the following exercises, simplify each expression.

$$2[1 + 3(10 - 2)]$$

Solution

Remember the order of operations: parentheses, exponents, multiplication, division, addition, subtraction.

$$
\begin{aligned}
2[1 + 3(10 - 2)] &= 2[1 + 3(8)] \\
&= 2[1 + 24] \\
&= 2[25] \\
&= 50
\end{aligned}
$$