

## Exercise 7

For the following exercises, simplify the given expression.

$$-2 \times [16 \div (8 - 4)^2]^2$$

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### Solution

Use the order of operations to simplify the expression.

$$\begin{aligned} -2 \times [16 \div (8 - 4)^2]^2 &= -2 \times [16 \div (4)^2]^2 \\ &= -2 \times [16 \div (16)]^2 \\ &= -2 \times [1]^2 \\ &= -2(1) \\ &= -2 \end{aligned}$$