

## Exercise 28

For the following exercises, perform the indicated operation and express the result as a simplified complex number.

$$(4 - 2i)(4 + 2i)$$

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### Solution

Use the distributive property.

$$(4 - 2i)(4 + 2i)$$

$$16 + 8i - 8i - 4i^2$$

$$16 - 4(-1)$$

$$16 + 4$$

$$20$$