

This expression is equivalent to  $(3 - 5i)(-2i)$ .

$$\begin{aligned}(3 - 5i)(-2i) &= (3)(-2i) - (5i)(-2i) = -6i - (-10i^2) = \\ &= -6i + 10i^2 \\ &= -6i + 10(-1) = -6i - 10 = -10 - 6i\end{aligned}$$

The correct answer is  $10 + 6i$ .