Exercise 30

For the following exercises, evaluate the expressions using the given variable.

$$(11a + 3) - 18a + 4 \text{ for } a = -2$$

Solution

Combine like terms before plugging in $a = -2$.

$$
\begin{aligned}
(11a + 3) - 18a + 4 &= -7a + 7 \\
&= -7(-2) + 7 \\
&= 14 + 7 \\
&= 21
\end{aligned}
$$