Exercise 31

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

4z - 2z(1+4) - 36 for z = 5

Solution

Simplify the given expression before plugging in z = 5.

$$4z - 2z(1 + 4) - 36 = 4z - 2z(5) - 36$$
$$= 4z - 10z - 36$$
$$= -6z - 36$$
$$= -6(5) - 36$$
$$= -30 - 36$$
$$= -66$$