

Exercise 31

In the following exercises, evaluate the following expressions.

When $x = 2$,

(a) x^6

(b) 4^x

(c) $2x^2 + 3x - 7$

Solution

When $x = 2$,

(a) $x^6 = 2^6 = 64$.

(b) $4^x = 4^2 = 16$.

(c) $2x^2 + 3x - 7 = 2(2)^2 + 3(2) - 7 = 7$.