

Exercise 32

In the following exercises, evaluate the following expressions.

When $x = 3$,

(a) x^5

(b) 5^x

(c) $3x^2 - 4x - 8$

Solution

When $x = 3$,

(a) $x^5 = 3^5 = 243.$

(b) $5^x = 5^3 = 125.$

(c) $3x^2 - 4x - 8 = 3(3)^2 - 4(3) - 8 = 7.$