Finding the value of an Expression

The value of an expression is the value obtained by solving the arithmetic/numerical expression.

Let us understand with some examples:

Example: If m = 2, find the value of: m – 2

Solution: From the question it is given that m = 2

Then, substitute the value of m in the question

= 2 -2

= 0

Example: If p = – 2, find the value of:– $2p^3 - 3p^2 + 4p + 7$

Solution:

From the question it is given that p = -2

Then, substitute the value of p in the question

= $(-2 \times (-2)^3) - (3 \times (-2)^2) + (4 \times (-2)) + 7$

= (-2 × -8) – (3 × 4) + (-8) + 7

= 16 – 12 – 8 + 7

= 23 – 20