

Algebraic Expressions: Worksheet -5

1. The value of the expression of $\frac{x^2}{2} + \frac{x^3}{4} + \frac{x^4}{8}$ at $x = 2$ []

a] 4

b] 6

c] 8

d] 0

2. Value of $a - bx + cx^2$ at $x = \frac{a}{b}$ []

a] $\frac{ca^2}{b^2}$ b] $\frac{b^2}{ca^2}$ c] $\frac{cb^2}{a^2}$

d] None

3. If $n = 2\sqrt{2}$ then $n^4 - 16 =$ []

a] $6n^2$ b] $6n^3$ c] $4n$ d] $n - 2$

4. The value of $ab + bc + ca$ when $a = 0$, $b = 1$ and $c = 2$. _____

5. The value of $4x + 2$ when $x = 2$ is _____

6. The value of $a^2 + b^2$ when $a = 1$ and $b = 2$ is _____

7. The value of $\frac{-x^2}{3}$ at $x = 0, 3, -9$ is _____

8. The value of $\frac{-11}{9} - \frac{17}{26}x$, at $x = \frac{13}{9}$ is _____

9. The value of $\frac{n^4}{4} + \frac{n^3}{2} + \frac{n^2}{4}$ at $n = 4$ is _____

