

Name : \_\_\_\_\_

## Evaluate the Expressions - Single Variable

DS5

Evaluate each algebraic expression for the given value of the variable.

1)  $(6z^2 - 9z + 12)^2$  at  $z = \frac{2}{3}$

2)  $\frac{9n - 23}{5}$  at  $n = 7$

3)  $u(2u^2 - u)$  at  $u = \frac{22}{5}$  at  $q = 1$

5)  $t^2 + 25t$  at  $t = x + 2$  at  $x = \frac{7}{2}$

7)  $(b^2 - 4b)^2$  at  $b = \frac{7}{2}$  at  $v = -6$

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9)  $\frac{-s^3 + 14s - 9}{3s^2 + s + 10}$  at  $s = 3$

10)  $4y^3 - 11y^2 + 3$  at  $y = -2$