

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

## Evaluate the Expressions: Multi-variables

DS2

Evaluate the algebraic expressions for the given values of each variable.

1)  $p^2q^2$  at  $p = 3, q = -2$

2)  $x^3 - 3y$  at  $x = 1, y = \frac{4}{3}$

3)  $3a - 2b + c$  at  $a =$

$s = \frac{1}{4}, t = 2$

5)  $uv - w^3$  at  $u = 3, v =$

$= -1, h = 3$

7)  $y^3z - 5$  at  $y = 2, z = -3$

8)  $\frac{pqr}{2}$  at  $p = 4, q = 1, r = \frac{1}{5}$

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## Answer key

DS2

### Evaluate the Expressions: Multi-variables

Evaluate the algebraic expressions for the given values of each variable.

1)  $p^2q^2$  at  $p = 3, q = -2$

**36**

2)  $x^3 - 3y$  at  $x = 1, y = \frac{4}{3}$

**-3**

3)  $3a - 2b + c$  at  $a =$

**16**

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$s = \frac{1}{4}, t = 2$

5)  $uv - w^3$  at  $u = 3, v =$

**$\frac{7}{2}$**

$= -1, h = 3$

7)  $y^3z - 5$  at  $y = 2, z = -3$

**-29**

8)  $\frac{pqr}{2}$  at  $p = 4, q = 1, r = \frac{1}{5}$

**$\frac{2}{5}$**