

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

## Evaluate the Expressions: Multi-variables

DS3

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

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

2)  $\frac{3}{s-t} - 1$  at  $s = 2, t = -6$

3)  $3uv - w$  at  $u = \frac{1}{3}$

$t, b = \frac{1}{4}, c = 5$

5)  $4mn - 1$  at  $m = \frac{3}{5}$

$x = 1, y = 3, z = 5$

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7)  $(p + q)^2$  at  $p = 8, q = -5$

8)  $3u - 2v - 13$  at  $u = -2, v = 4$

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## Answer key

DS3

### Evaluate the Expressions: Multi-variables

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

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

$\frac{16}{9}$

2)  $\frac{3}{s-t} - 1$  at  $s=2, t=-6$

$-\frac{5}{8}$

3)  $3uv - w$  at  $u=\frac{1}{3}$

$-12$

$t, b=\frac{1}{4}, c=5$

5)  $4mn - 1$  at  $m=\frac{3}{5}$

$\frac{1}{5}$

$x=1, y=3, z=5$

7)  $(p+q)^2$  at  $p=8, q=-5$

$9$

8)  $3u - 2v - 13$  at  $u=-2, v=4$

$-27$

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