

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

## Evaluate the Expressions: Multi-variables

DS5

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

1)  $\frac{v+1}{w^2}$  at  $v=8, w=\frac{3}{5}$

2)  $6 - qrs$  at  $q=2, r=-9, s=3$

3)  $pq + r^3$  at  $p=1, q=$

$\frac{1}{2}, b=8$

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5)  $2stu$  at  $s=-1, t=$

$m=9, n=4$

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7)  $-6 + x + y$  at  $x=\frac{3}{2}, y=1$

8)  $\frac{5-u+v}{3}$  at  $u=7, v=-2$

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## Answer key

DS5

### Evaluate the Expressions: Multi-variables

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

1)  $\frac{v+1}{w^2}$  at  $v=8, w=\frac{3}{5}$

**25**

2)  $6 - qrs$  at  $q=2, r=-9, s=3$

**60**

3)  $pq + r^3$  at  $p=1, q=$

**12**

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$\frac{1}{2}, b=8$

5)  $2stu$  at  $s=-1, t=$

**-30**

$m=9, n=4$

7)  $-6 + x + y$  at  $x=\frac{3}{2}, y=1$

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

8)  $\frac{5-u+v}{3}$  at  $u=7, v=-2$

**$-\frac{4}{3}$**