

Name : _____

Evaluate the Expressions: Multi-variables

DS1

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

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

2) $\frac{pq}{r} - p$ at $p = 4, q = 1, r = -2$

3) $4fgh + 5$ at $f = -1$

$n = \frac{1}{3}, n = 1$

5) $\frac{s-4}{t^2}$ at $s = -5, t =$

$= 1, v = 3$

7) abc at $a = \frac{2}{5}, b = 1, c = 4$

8) $-8x + 3y$ at $x = 4, y = \frac{1}{3}$

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Name : _____

Answer key

DS1

Evaluate the Expressions: Multi-variables

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

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

$\frac{7}{2}$

2) $\frac{pq}{r} - p$ at $p = 4, q = 1, r = -2$

-6

3) $4fgh + 5$ at $f = -1$

-19

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$n = \frac{1}{3}, n = 1$

5) $\frac{s-4}{t^2}$ at $s = -5, t =$

$-\frac{9}{4}$

$= 1, v = 3$

7) abc at $a = \frac{2}{5}, b = 1, c = 4$

$\frac{8}{5}$

8) $-8x + 3y$ at $x = 4, y = \frac{1}{3}$

-31