

Name : _____

Constant of Variation

L2S1

- 1) The variable z varies jointly with x and y . The value of z is 80 when $x = 2$ and $y = \frac{5}{8}$. Find the constant of variation (k).

- 2) The variable r varies directly with q and inversely with square root of p . The value of r is 72 when $q = 2$ and $\sqrt{p} = 7$. Find the constant of variation (k).

- 3) The variable a varies directly with b and inversely with c . The value of a is 1.6 when $b = 1.6$. Find the constant of variation (k).

- 4) The variable w varies directly with u and inversely with v . The value of w is 3 when $u = -55$ and $v = 11$. Find the constant of variation (k).

- 5) The variable r varies jointly with s and t . The value of r is 60 when $s = 5$ and $t = 6$. Find the constant of variation (k).

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