

Name : _____

Constant of Variation - Equation

L2S3

1) $\frac{\sqrt{z}}{2} = 8yx$. Find the constant of variation if,

a) x varies directly with \sqrt{z} and inversely with y . _____

b) z varies jointly with x^2 and y^2 . _____

2) $75u = \frac{9s}{t}$. Find the constant of variation if,

a) s varies jointly _____

b) t varies directly _____

3) $-12v + 6u = 0$. Find the constant of variation if,

a) u varies directly _____

b) v varies directly _____

4) $\frac{3}{7t} - y = 0$. Find the constant of variation if,

a) t varies inversely _____

b) y varies inversely with t . _____

5) $\frac{q}{r} = 6p^2$. Find the constant of variation if,

a) r varies directly with q and inversely with p^2 . _____

b) q varies jointly with r and p^2 . _____

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