

Name : _____

Write the Equation

L2S3

- 1) The variable x varies jointly with y and z . The value of $x = 36$ when $y = 3$ and $z = 2$. Write an equation that relates x , y and z .

- 2) The variable d varies directly with square of b and inversely with c . The value of $d = 8$ when $b = 2$ and $c = 4$. Write an equation that relates b , c and d .

- 3) The variable p varies inversely with the square of q . The value of $p = -250$ when $q = 1$ and $r = -5$. Write an equation that relates p , q and r .

- 4) The variable a varies directly with the square of b and inversely with the square of c . The value of $a = -3$ when $b = 2$ and $c = 4$. Write an equation that relates a , b and c .

- 5) The variable n varies inversely with q . The value of $n = 0.9$ when $q = 3.6$. Write an equation that relates n and q .

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