Name : _____

Constant of Variation

1) The variable p varies jointly with q, r and s. The value of p is 0.81 when q = 1.5, r = −3 and s = −0.2. Find the constant of variation (k).

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2) The variable t varies jointly with r and s. The value of t is 18 when r = 3 and s = 8. Find the const~~ant of variation (k).~~

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3) The variable y ~~........~~ of z. The value of y is 9 when x = 3 an~~........~~

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4) The variable g ~~........~~ hen f = 3. Find the constant of va~~........~~

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5) The variable b varies directly with c and inversely with d. The value of b is 3 when c = 20 and d = 4. Find the constant of variation (k).

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