

Name : \_\_\_\_\_

## Constant of Variation

L1S3

- 1) The variable  $b$  varies directly with  $c$ . The value of  $b$  is 78 when  $c = 6$ . Find the constant of variation ( $k$ ).

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- 2) The variable  $m$  varies directly with  $n$ . The value of  $m$  is  $\frac{1}{3}$  when  $n = 9$ . Find the constant of variation ( $k$ ).

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- 3) The variable  $p$  varies directly with  $q$ . The value of  $p$  is 11 when  $q = 11$ . Find the constant of variation ( $k$ ).

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- 4) The variable  $g$  varies directly with  $h$ . The value of  $g$  is 9.5 when  $h = 9.5$ . Find the constant of variation ( $k$ ).

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- 5) The variable  $y$  varies directly with  $z$ . The value of  $y$  is 51 when  $z = 3$ . Find the constant of variation ( $k$ ).

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