

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

## Write the Equation

L1S5

- 1) The variable  $y$  varies inversely with  $z$ . The value of  $y = 17$  when  $z = 9$ . Write an equation that relates  $y$  and  $z$ .

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- 2) The variable  $a$  varies directly with  $b$ . The value of  $a = 72$  when  $b = 36$ . Write an equation that relates  $a$  and  $b$ .

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- 3) The variable  $p$  varies inversely with  $q$ . The value of  $p = 15$  when  $q = 0.6$ . Write an equation that relates  $p$  and  $q$ .

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- 4) The variable  $u$  varies directly with  $v$ . The value of  $u = 12$  when  $v = -\frac{3}{8}$ . Write an equation that relates  $u$  and  $v$ .

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- 5) The variable  $g$  varies directly with  $h$ . The value of  $g = 112$  when  $h = 8$ . Write an equation that relates  $g$  and  $h$ .

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