

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

## Write the Equation

L1S1

- 1) The variable  $x$  varies directly with  $y$ . The value of  $x = 200$  when  $y = 4$ . Write an equation that relates  $x$  and  $y$ .

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- 2) The variable  $p$  varies inversely with  $q$ . The value of  $p = \frac{2}{3}$  when  $q = \frac{3}{4}$ . Write an equation that relates  $p$  and  $q$ .

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- 3) The variable  $c$  varies directly with  $d$ . The value of  $c = 12$  when  $d = 6$ . Write an equation that relates  $c$  and  $d$ .

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- 4) The variable  $m$  varies inversely with  $n$ . The value of  $m = 8$  when  $n = -5$ . Write an equation that relates  $m$  and  $n$ .

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- 5) The variable  $a$  varies directly with  $b$ . The value of  $a = 6.4$  when  $b = 2$ . Write an equation that relates  $a$  and  $b$ .

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