

Name : _____

Write the Equation

L1S4

- 1) The variable c varies inversely with d . The value of $c = -6$ when $d = -27$. Write an equation that relates c and d .

- 2) The variable m varies inversely with n . The value of $m = 1.5$ when $n = 0.2$. Write an equation that relates m and n .

- 3) The variable a varies inversely with b . The value of $a = 12$ when $b = 6$. Write an equation that relates a and b .

- 4) The variable w varies inversely with x . The value of $w = 15$ when $x = 4$. Write an equation that relates w and x .

- 5) The variable s varies inversely with t . The value of $s = \frac{2}{5}$ when $t = 10$. Write an equation that relates s and t .

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Write the Equation

- 1) The variable c varies inversely with d . The value of $c = -6$ when $d = -27$. Write an equation that relates c and d .

$$c = \frac{162}{d}$$

- 2) The variable m varies inversely with n . The value of $m = 1.5$ when $n = 0.2$. Write an equation that relates m and n .

$$m = \frac{0.75}{n}$$

- 3) The variable a varies inversely with b . The value of $a = 3$ when $b = 6$. Write an equation that relates a and b .

$$a = \frac{18}{b}$$

- 4) The variable w varies inversely with x . The value of $w = 15$ when $x = 4$. Write an equation that relates w and x .

$$w = \frac{60}{x}$$

- 5) The variable s varies inversely with t . The value of $s = \frac{2}{5}$ when $t = 10$. Write an equation that relates s and t .

$$s = \frac{4}{t}$$

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