

Name : _____

Write the Equation

L1S2

- 1) The variable m varies inversely with n . The value of $m = 9.3$ when $n = 4.5$. Write an equation that relates m and n .

- 2) The variable g varies directly with f . The value of $g = -21$ when $f = -3$. Write an equation that relates f and g .

- 3) The variable b varies directly with a . The value of $b = 12$ when $a = 4$. Write an equation that relates a and b .

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when $c = \frac{1}{8}$. Write an equation that relates c and d .

- 4) The variable y varies directly with x . The value of $y = 15$ when $x = 5$. Write an equation that relates x and y .

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when $z = -4$. Write an equation that relates z and w .

- 5) The variable p varies inversely with q . The value of $p = 12$ when $q = 1$. Write an equation that relates p and q .

Write the Equation

L1S2

- 1) The variable m varies inversely with n . The value of $m = 9.3$ when $n = 4.5$. Write an equation that relates m and n .

$$m = \frac{41.85}{n}$$

- 2) The variable g varies directly with f . The value of $g = -21$ when $f = -3$. Write an equation that relates g and f .

$$g = 7f$$

- 3) The variable b varies directly with c . The value of $b = 12$ when $c = \frac{1}{8}$. Write an equation that relates b and c .

$$b = 96c$$

- 4) The variable y varies directly with z . The value of $y = 6$ when $z = -4$. Write an equation that relates y and z .

$$y = 6z$$

- 5) The variable p varies inversely with q . The value of $p = 12$ when $q = 1$. Write an equation that relates p and q .

$$p = \frac{12}{q}$$

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