

Name _____

Date _____

**Write Equations For The Relationship
Of Dependent And Independent Variables**

G6

Writing equations shows how dependent variables change based on independent variables. It helps us understand patterns, make predictions, and solve problems in math and science using clear relationships between numbers or quantities.

Q1 Which equation represents the relationship where y is 3 times x?

A. $y = x + 3$

B. $y = 3x$

C. $y = x - 3$

D. $y = 3 - x$

Q2 In a rectangle, the length l is 3 times the width w. Which equation represents this relationship?

A. $l = w + 3$

B. $l = 3w$

C. $l = w - 3$

D. $l = 3 - w$

Q3 Which equation represents the relationship where y is 6 times x?

A. $y = x + 6$

B. $y = 6x$

C. $y = x - 6$

D. $y = 6 - x$

Q4 Which equation shows y as half of x?

A. $y = x - 2$

B. $y = \frac{x}{2}$

C. $y = 2x$

D. $y = x + 2$

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**Write Equations For The Relationship Of
Dependent And Independent Variables - Answer Key****Q1****B****Q2****B****Q3****B****Q4****B**