



Puzzle Time

What Part Of A Computer Keyboard Do Astronauts Like The Best?

Write the letter of each answer in the box containing the exercise number.

Tell whether x and y show *direct variation*, *inverse variation*, or *neither*.

1. $xy = 3$

2. $x + y = 12$

3. $\frac{y}{x} = 6$

The variables x and y vary inversely. Use the given values to write an equation relating x and y .

4. $x = 5, y = -2$

5. $x = 8, y = 2$

6. $x = \frac{1}{2}, y = 6$

7. $x = -12, y = \frac{2}{3}$

8. $x = -\frac{1}{3}, y = -\frac{9}{2}$

9. $x = 2, y = -\frac{3}{4}$

10. $x = -2.4, y = 8.6$

11. $x = -15, y = -\frac{2}{5}$

Answers

P. $y = \frac{16}{x}$

T. inverse variation

S. $y = -\frac{10}{x}$

R. $y = \frac{6}{x}$

E. direct variation

A. $y = \frac{3}{x}$

A. $y = -\frac{20.64}{x}$

C. $y = -\frac{8}{x}$

E. $y = \frac{3}{2x}$

H. neither

B. $y = -\frac{3}{2x}$

1	2	3		4	5	6	7	8		9	10	11
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