



Puzzle Time

What Do Bumblebees Sing In The Shower?

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

Write an equation of a line of fit for the data.

1. (0, 10), (1, 10), (1, 25), (1, 20), (2, 30), (3, 40), (3, 50), (4, 40)

C. $y = -10x - 10$

D. $y = -10x + 10$

E. $y = 10x + 10$

2. (0, 14), (1, 13), (2, 9), (3, 7), (4, 5), (5, 4), (6, 3), (6, 2), (7, 1)

B. $y = -2x + 14$

C. $y = 2x + 14$

D. $y = 2x - 14$

3. (10, 5), (25, 20), (30, 30), (50, 35), (50, 40), (60, 50), (70, 75), (80, 60)

C. $y = \frac{22}{25}x + 2$

D. $y = -\frac{22}{25}x + 2$

E. $y = \frac{22}{25}x - 2$

4. (40, 120), (50, 100), (70, 100), (80, 60), (100, 60), (110, 20), (120, 20), (130, 10)

A. $y = -\frac{5}{4}x - 170$

B. $y = -\frac{5}{4}x + 170$

C. $y = \frac{5}{4}x + 170$

Use a graphing calculator to find an equation of the line of best fit.

5. (0, 1), (1, 1.5), (2, 2), (2, 2.5), (3, 2), (3, 3.75), (4, 3.5), (4, 4)

O. $y = 0.70x - 0.88$

P. $y = 0.70x + 0.88$

Q. $y = -0.70x + 0.88$

6. (0, 1), (1, 1.5), (1.5, 1.25), (2, 1.5), (3, 2), (3, 2.5), (4.5, 4), (5, 5.25)

M. $y = -0.81x + 0.35$

N. $y = 0.81x - 0.35$

O. $y = 0.81x + 0.35$

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|---|---|---|---|---|---|
| 4 | 3 | 1 | 2 | 6 | 5 |
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