



# PCAT-SECTION3<sup>Q&As</sup>

Pharmacy College Admission Test - Quantitative

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**QUESTION 1**

What is the equation of a line that passes through the point (2, 3) and has a slope of  $-\frac{1}{2}$ ?

A.  $y = -\frac{1}{2}x + 2$

B.  $y = -\frac{1}{2}x - 2$

C.  $y = \frac{1}{2}x + 2$

D.  $y = \frac{1}{2}x - 2$

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

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**QUESTION 2**

If ,

$$\sqrt[3]{x} = y^4$$

then what is x in terms of y?

A.  $x=y^{12}$ B.  $x=y^7$ C.  $x = y^4$ D.  $x=y$ Correct Answer: A

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**QUESTION 3**

What is the mean of the data set?

A. 55

B. 66

C. 78

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D. 82

Correct Answer: D

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#### QUESTION 4

What is the slope of a line that passes through the points (5, 2) and (1, 3)?

A. 1/3

B. -1/3

C. 3

D. 5

Correct Answer: A

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

If the first point (5, 2) = (x<sub>1</sub>, y<sub>1</sub>) and the second point (8, 3) = (x<sub>2</sub>, y<sub>2</sub>), then substituting these coordinate values into the definition for the slope yields

$$m = \frac{3 - 2}{8 - 5} = \frac{1}{3}$$

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#### QUESTION 5

What is the slope of a line that passes through the points (0, 4) and (4, 0)?

A. 4

B. -1

C. 0

D. undefined

Correct Answer: B

The slope of a line that passes through the points (0, 4) and (4, 0) can be found by:



$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{0 - 4}{4 - 0} = -\frac{4}{4} = -1.$$

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