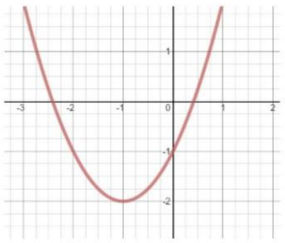
New Maths GCSE: A11 - Sketching quadratics in completed the square form

Name:..... Date:.....



Which of the following could be the equation of the graph?

A $y = (x-1)^2 - 2$

B $y = (x+1)^2 - 2$

C $y = (x-2)^2 - 1$

D $y = (x+1)^2 + 2$

Correct Answer: A B C D

Explanation:

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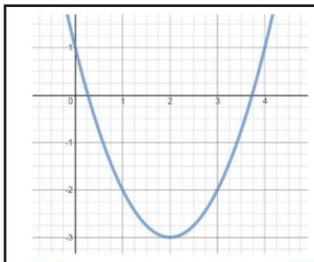

Which of the following could be the equation of the graph?

A $y = (x-2)^2 - 3$

B $y = (x+2)^2 - 3$

C $y = (x-3)^2 - 2$

D $y = (x+3)^2 - 2$

Correct Answer: A B C D

Explanation:

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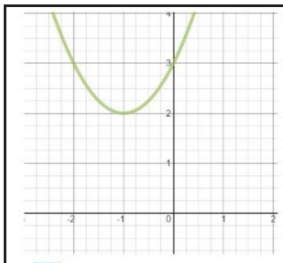

Which of the following could be the equation of the graph?

A $y = (x+2)^2 - 1$

B $y = (x-2)^2 - 3$

C $y = (x-1)^2 + 2$

D $y = (x+1)^2 + 2$

Correct Answer: A B C D

Explanation:

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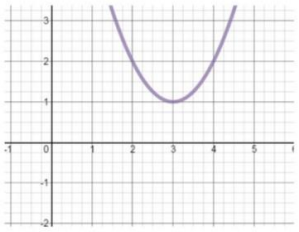

Which of the following could be the equation of the graph?

A $y = (x+3)^2 - 1$

B $y = (x-3)^2 + 1$

C $y = (x-1)^2 + 3$

D $y = (x+1)^2 + 3$

Correct Answer: A B C D

Explanation:

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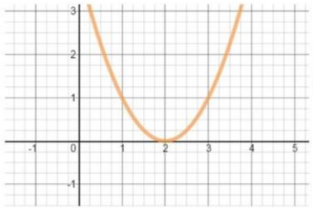

Which of the following could be the equation of the graph?

A $y = (x+2)^2$

B $y = x^2 - 2$

C $y = x^2 + 2$

D $y = (x-2)^2$

Correct Answer: A B C D

Explanation:

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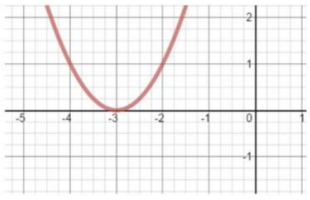

Which of the following could be the equation of the graph?

A $y = (x-3)^2$

B $y = x^2 - 3$

C $y = x^2 + 3$

D $y = (x+3)^2$

Correct Answer: A B C D

Explanation:

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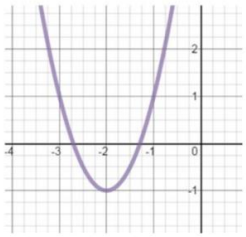

Which of the following could be the equation of the graph?

A $y = 2[(x+2)^2 - 1]$

B $y = 2(x-2)^2 - 1$

C $y = 2[(x-2)^2 - 1]$

D $y = 2(x+2)^2 - 1$

Correct Answer: A B C D

Explanation:

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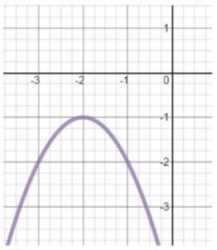

Which of the following could be the equation of the graph?

A $y = -(x+2)^2 - 1$

B $y = (2-x)^2 - 1$

C $y = -(x-2)^2 - 1$

D $y = (x+2)^2 - 1$

Correct Answer: A B C D

Explanation:

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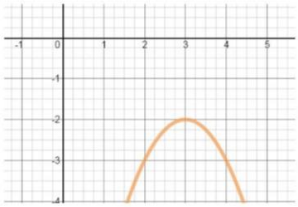

Which of the following could be the equation of the graph?

A $y = -(x+3)^2 + 2$

B $y = (x-3)^2 + 2$

C $y = -(x-3)^2 - 2$

D $y = (3-x)^2 - 2$

Correct Answer: A B C D

Explanation:

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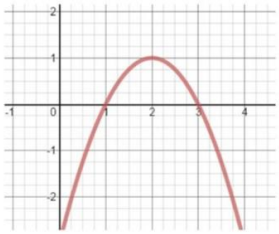

Which of the following could be the equation of the graph?

A $y = -(x-2)^2 + 1$

B $y = (x-2)^2 + 1$

C $y = -(x+2)^2 - 1$

D $y = (2-x)^2 + 1$

Correct Answer: A B C D

Explanation:

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