DELAWARE PRECALCULUS · UNIT 1 · 5 QUESTIONS

Functions and Transformations — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The inverse of f(x) = 3x + 1 evaluated at 4 is**

ANSWER _____

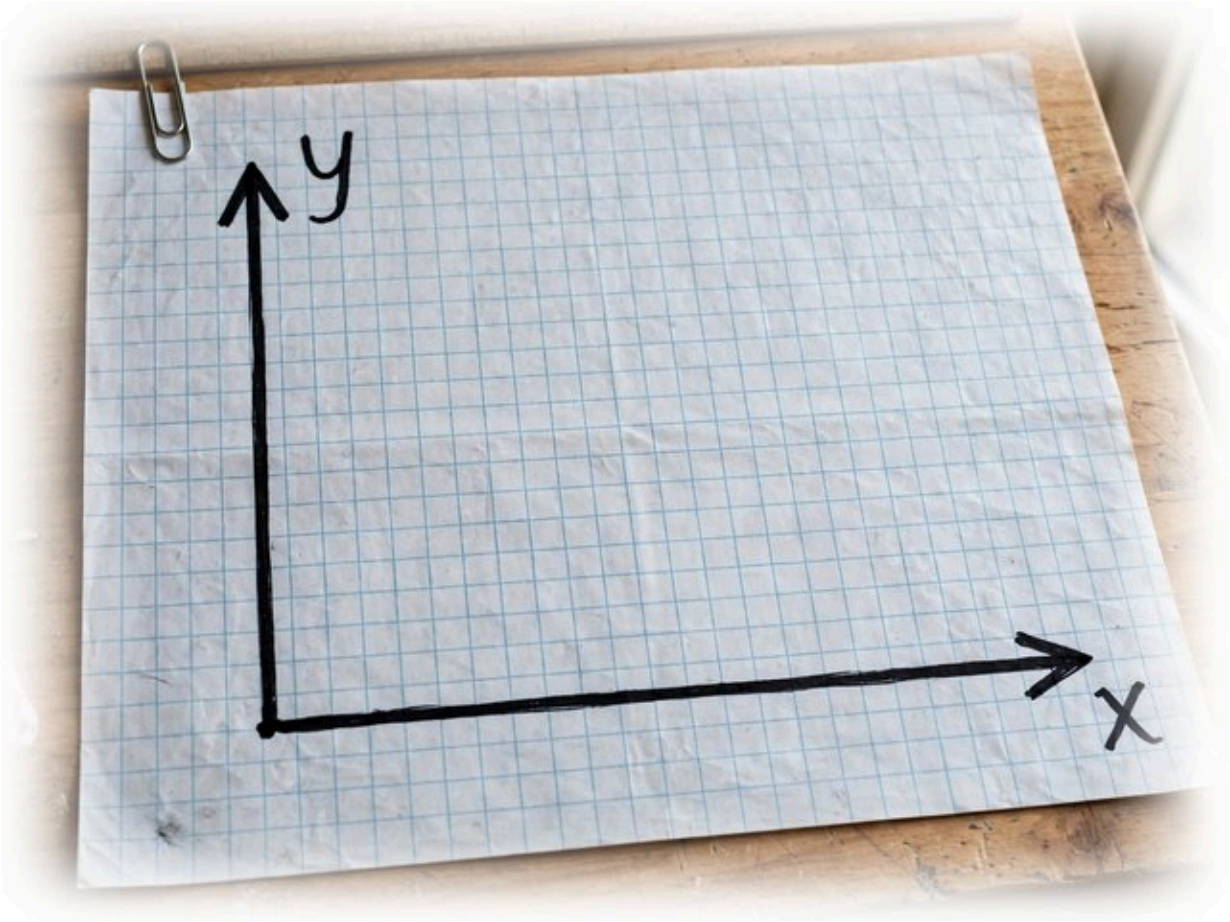
Understand It with Pulse | Flag a mistake

2 **For f(x) = x² + -2x + 2, find f(-3).**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A coordinate grid with bold x and y axes on graph paper. The graph of $y = x^2$, shifted 4 units left and 2 units up has equation**



A $y = x^2$

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

C $y = x^2 + 1$

D $y = (x + 4)^2 + 2$

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4 **For $f(x) = 2x^2 + -3x + 2$, find $f(-1)$.**

ANSWER _____

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5 **The graph of $y = x^2$, shifted 2 units left and 1 units up has equation**

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

B $y = x^2$

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

D $y = x^2 + 1$

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ANSWER KEY

1. 1
2. 17
3. D
4. 7
5. A

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