Lower Manhattan Arts Academy Algebra 2/Trigonometry

Homework #35

Given the function, find the inverse function

1. $y = x + 8$
2. $y = 3x$
3. $y = 2x + 6$
4. $y = x^3 - 5$
5. $y = \frac{x}{x+1}$
6. $y = \frac{3x+2}{2x-5}$

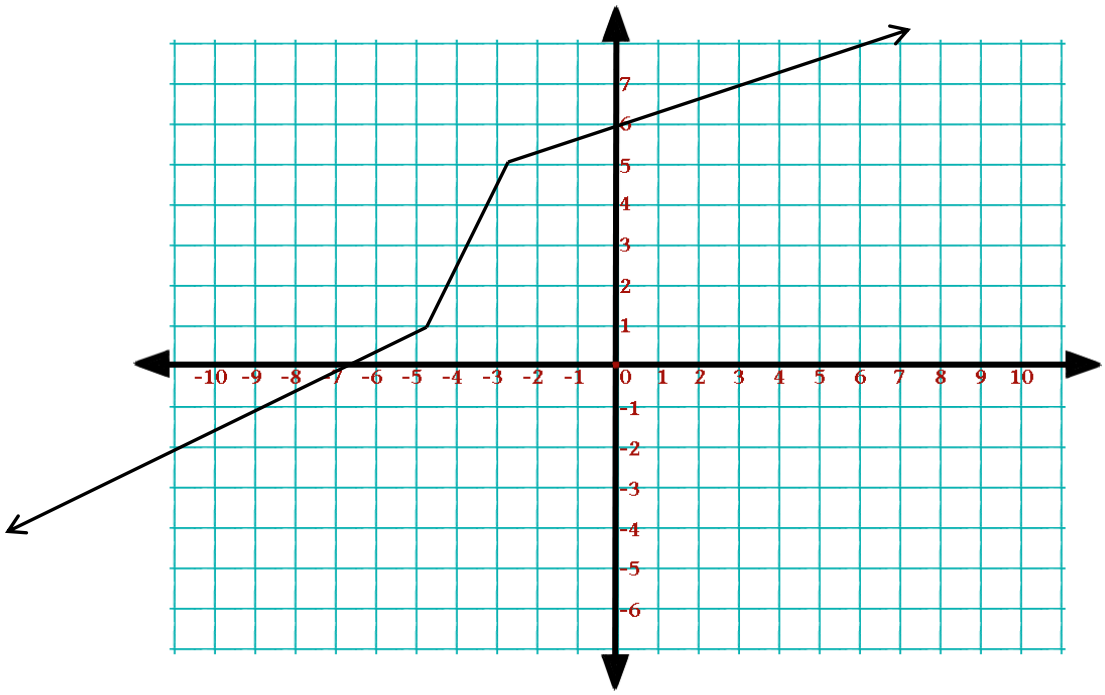
Evaluate

7. $\log_2 32$
8. $\log_3 \frac{1}{27}$
9. $\log_{10} 10\,000$
10. $\log_{10} 0.001$
11. $\log_4 64$
12. $\log_7 49$
13. $\log_5 \frac{1}{25}$
14. $\log_9 1$

Evaluate to the nearest ten-thousandth (You will need a calculator)

~~15. $\log_2 3$~~
~~16. $\log_5 1000$~~
~~17. $\log 63$~~
~~18. $\log_3 \frac{1}{2}$~~

19. Given below is the graph of $y = f(x)$. On the same set of axes, sketch the graph of $y = f^{-1}(x)$



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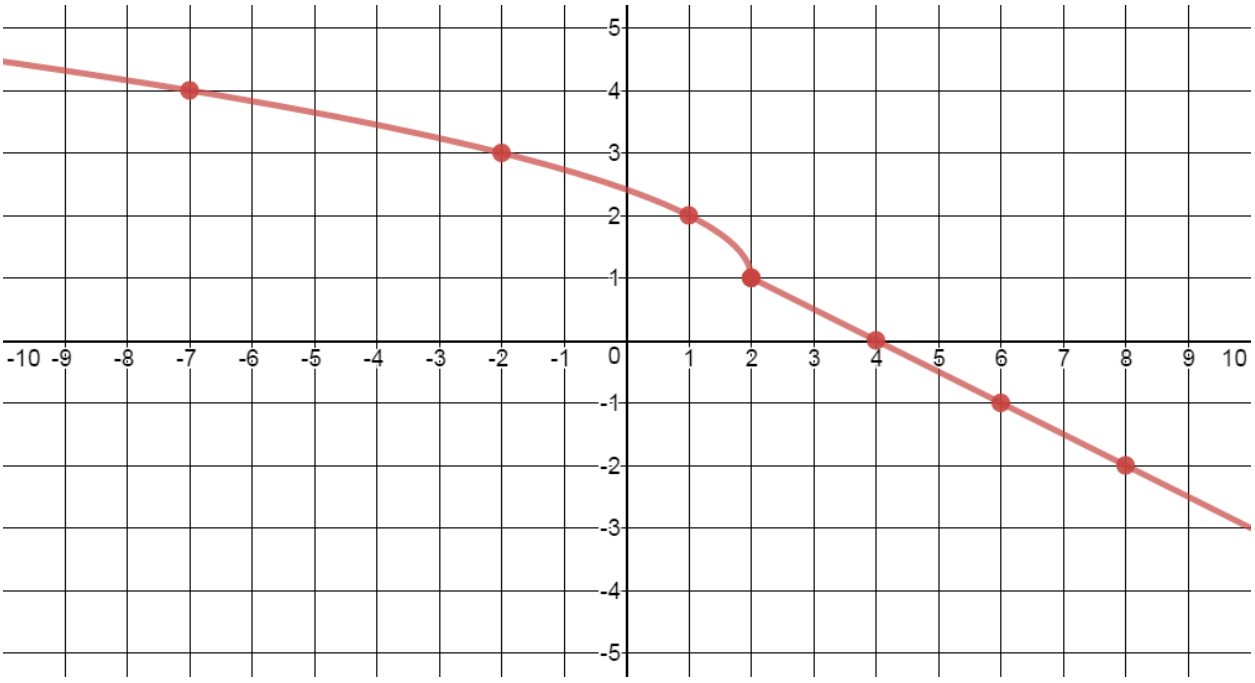

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