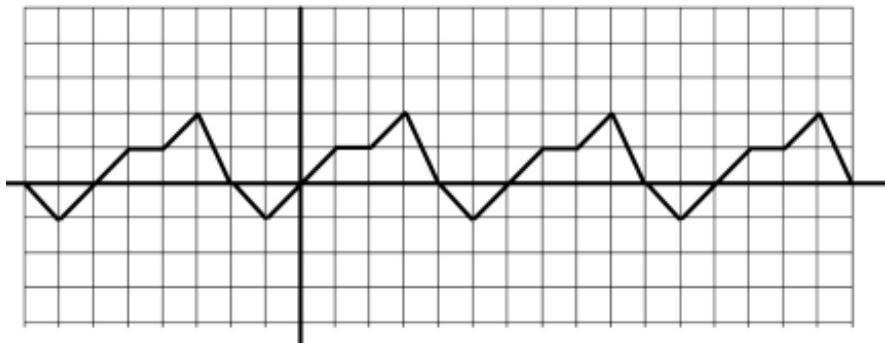


1. Given $y = f(x)$



Find:

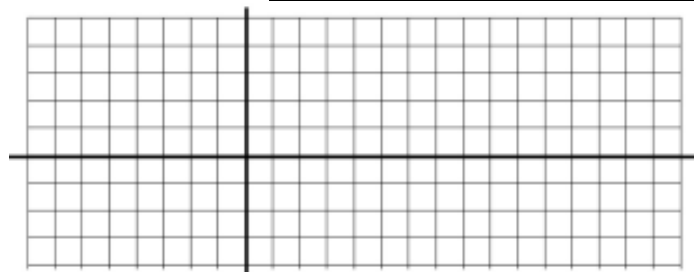
- a) period
- c) $f(45)$

- b) amplitude
- d) $f(-70)$

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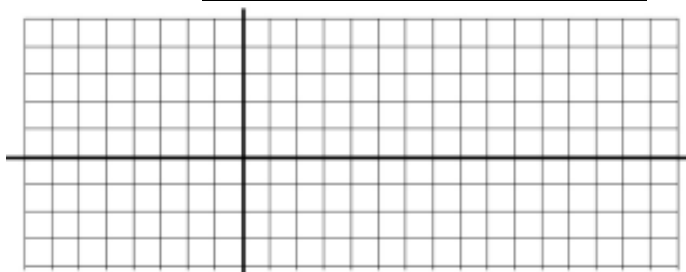
2. $y = -f(x)$

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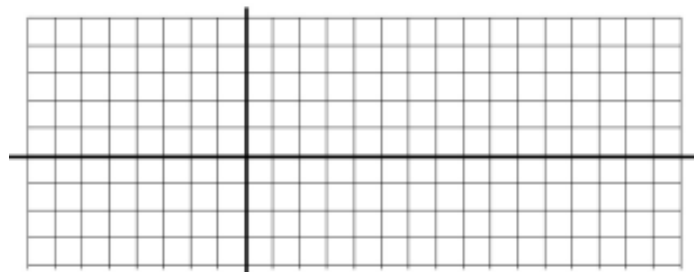
3. $y = f(-x)$

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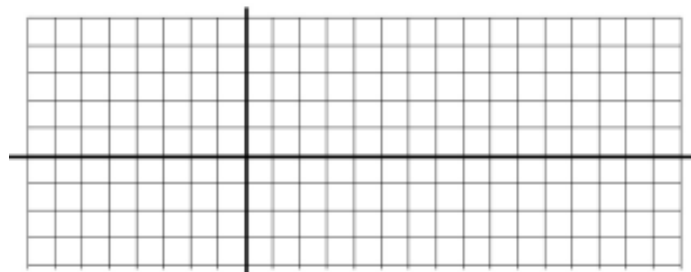
4. $y = |f(x)|$

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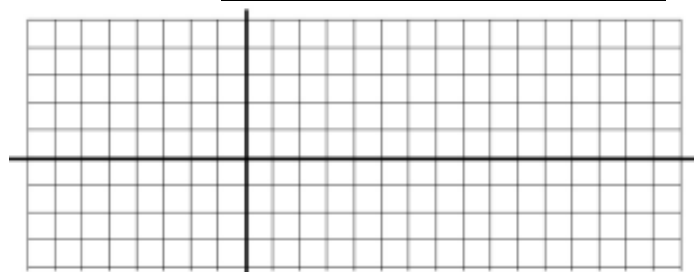
5. $y + 1 = f(x - 2)$

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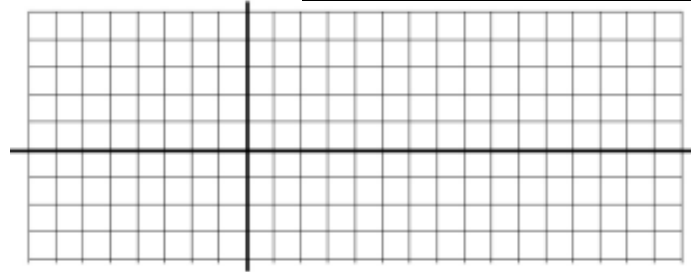
6. $y = 2f(x)$

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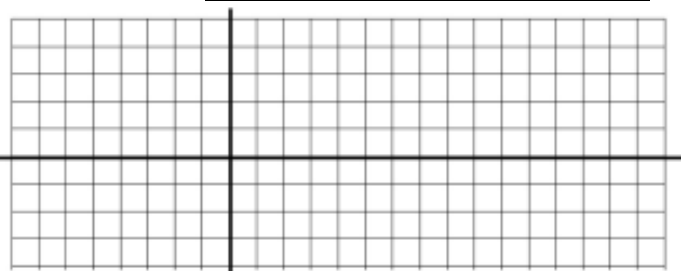
7. $y = f(2x)$

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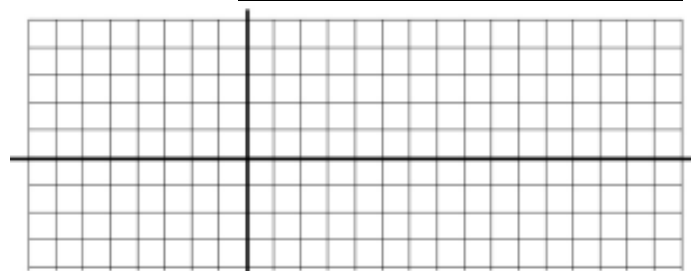
8. $y = \frac{1}{2}f(x)$

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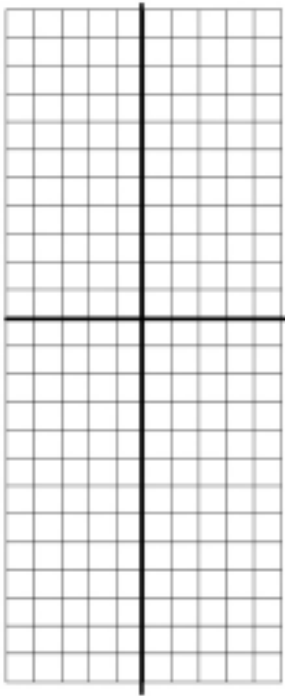


9. $y = f\left(\frac{1}{2}x\right)$

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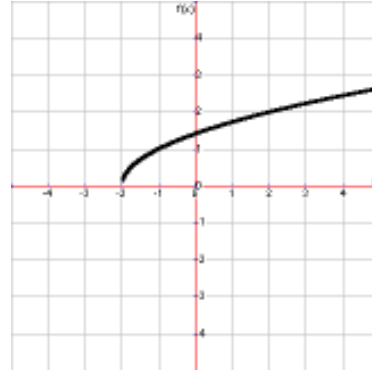


10) x and y switched



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11. Graph $y = f^{-1}(x)$

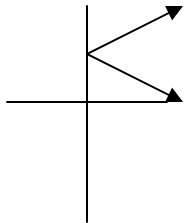


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12. Which of the following are functions?



a)



b)

c) $x + y^2 = 16$

d) $xy = 4$

13. Find the domain

a) $f(x) = \sqrt{x^2 - x - 6}$

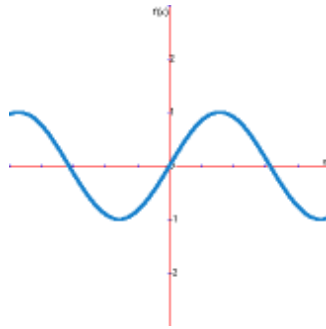
b) $f(x) = \frac{2x - 3}{\sqrt{x^2 - 1}}$

c) $g(x) = \frac{x - 3}{x^2 + 2x - 8}$

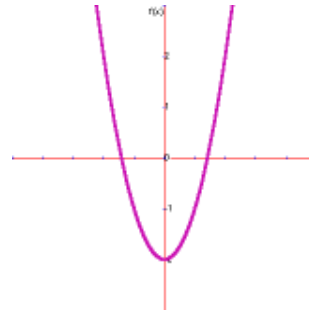
14. Find the range:

a) $y = |x|$

b)

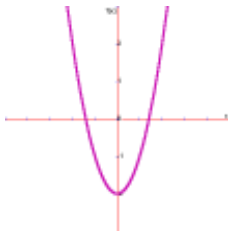


c)

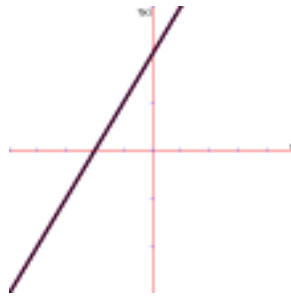


15) Which of the following have an inverse function?

a)



b)



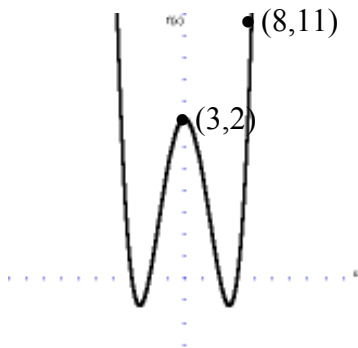
c) $y = |x| + 3$

d)



16) Name as many other points on graph as possible using point and line symmetry.

a)



b)

