EFB105 – Cálculo Diferencial e Integral I

Aula 02 – Esboço e reconhecimento de curvas notáveis

Nome:	RA:

Relacione cada função com o seu gráfico. Justifique sucintamente sua resposta, empregando argumentos acerca do domínio, imagem, simetria, crescimento, etc.

1. $f(x) = x$

2. $f(x) = x^2$

3. $f(x) = x^3$

4. $f(x) = x^4$

5. $f(x) = x^5$

6. $f(x) = x^{13}$

7. $f(x) = \sqrt{x}$

8. $f(x) = \sqrt[3]{x}$

9. $f(x) = \frac{1}{x}$

10. $f(x) = x^{-2}$

11. $f(x) = sen\, x$

12. $f(x) = \cos x$

13. $f(x) = tg\, x$

14. $f(x) = -\cos x$

15. $f(x) = x^2 + 2$

16. $f(x) = x^2 + x$

17. $f(x) = 2(x-1)^2$

18. $f(x) = 2\, sen\, x$

19. $f(x) = sen\, 2x$

20. $f(x) = sen(x + \frac{\pi}{3})$

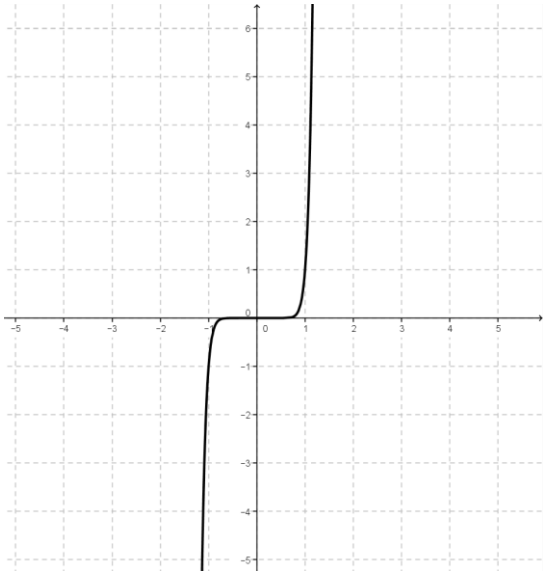
21. $f(x) = |x|$

22. $f(x) = |x^2 + 3x - 1|$

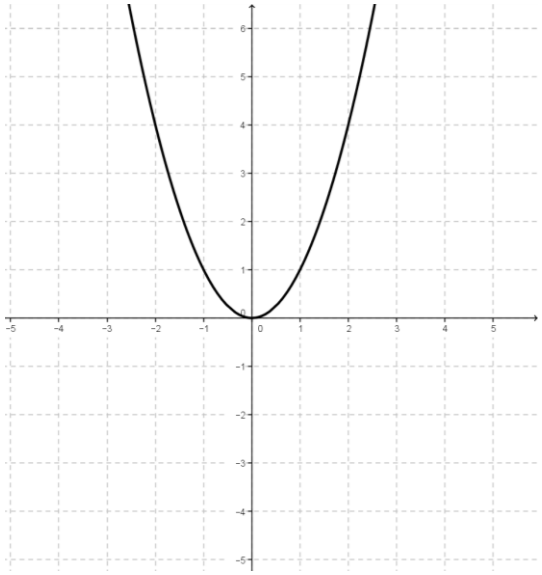
23. $f(x) = |x| - 2$

24. $f(x) = -\frac{1}{2}(x-1)^2$

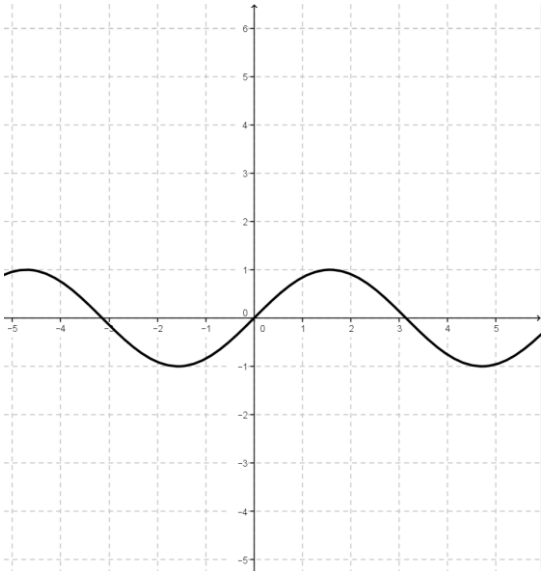
(a)



(b)



(c)



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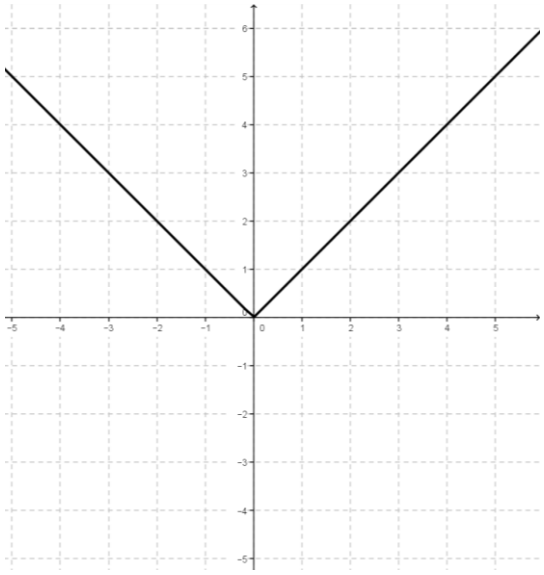

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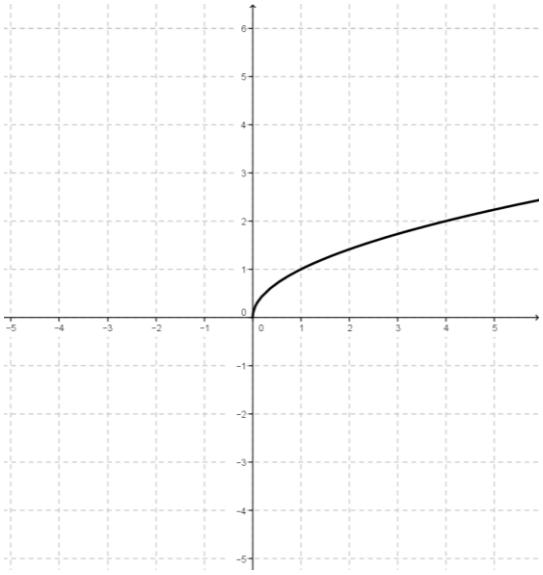

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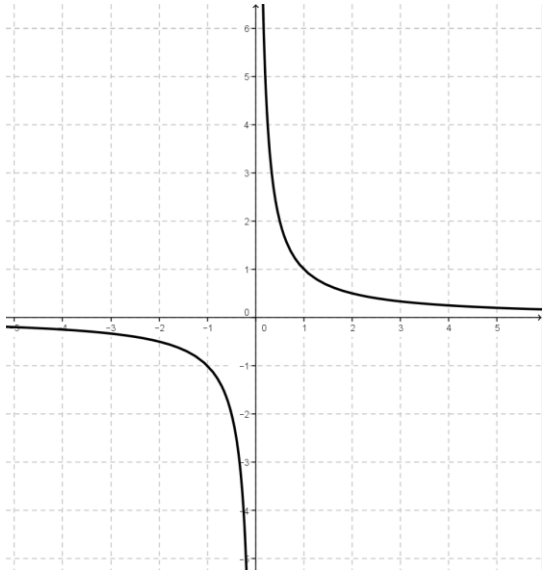

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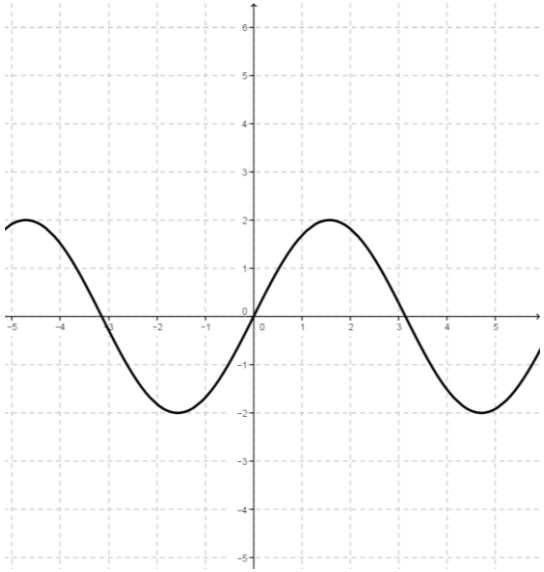

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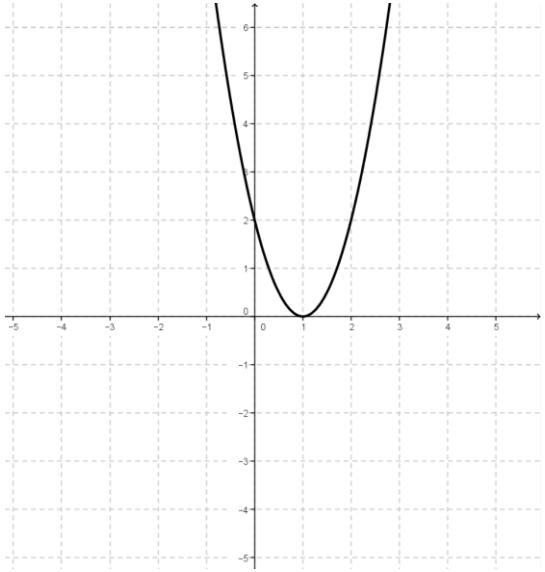

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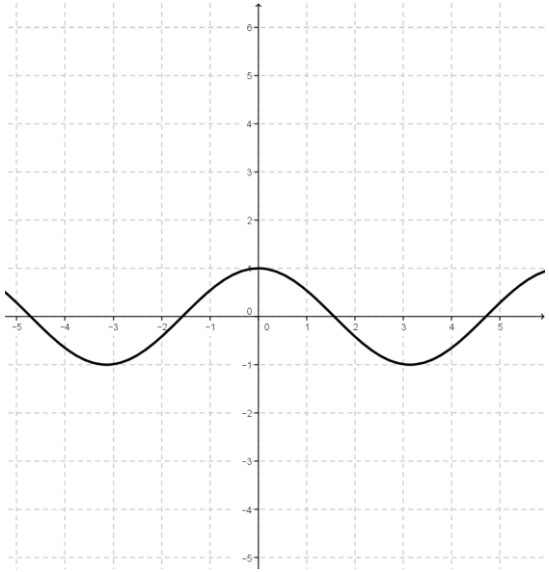

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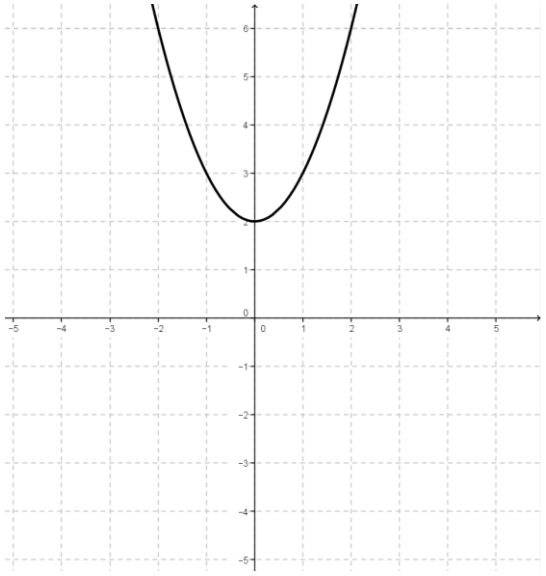

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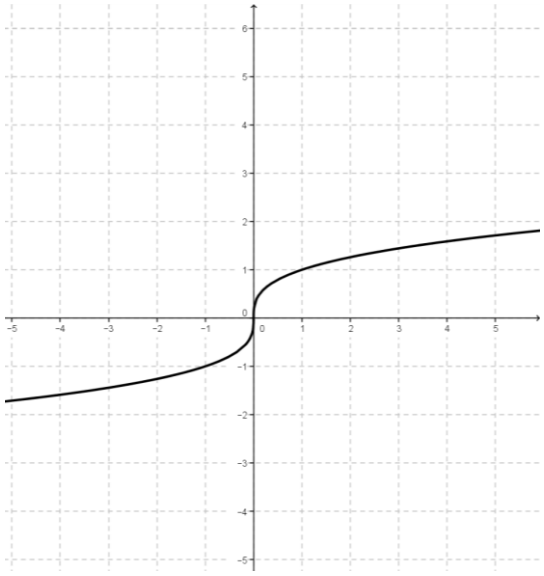

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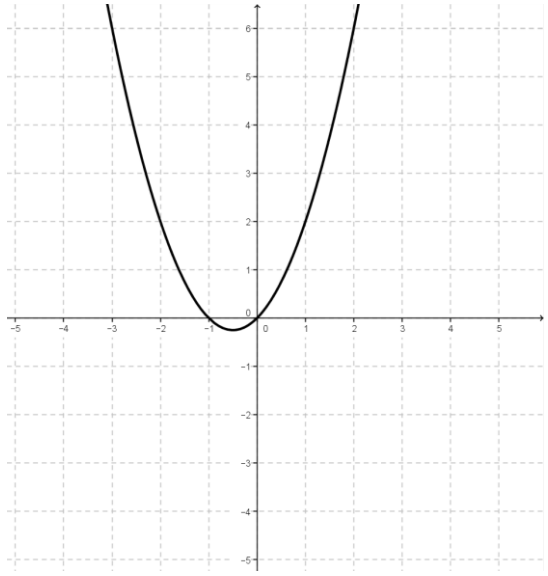
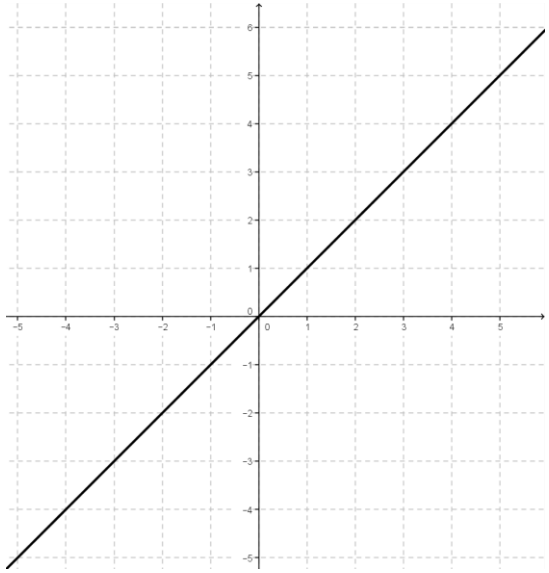
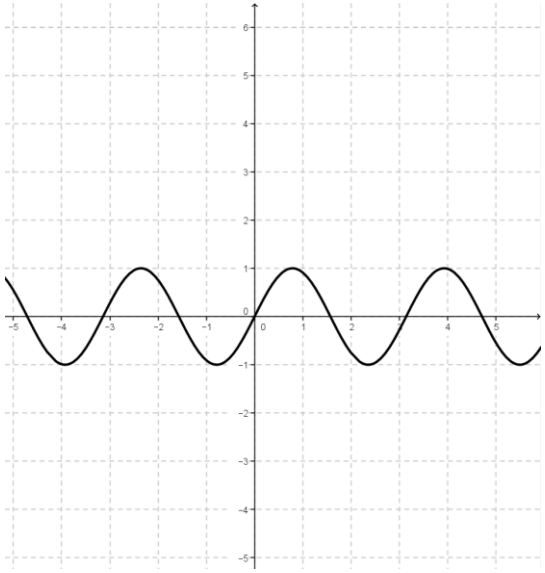


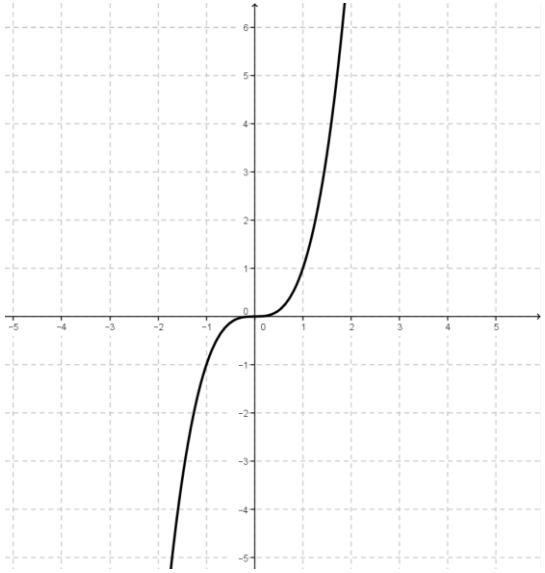
(m)



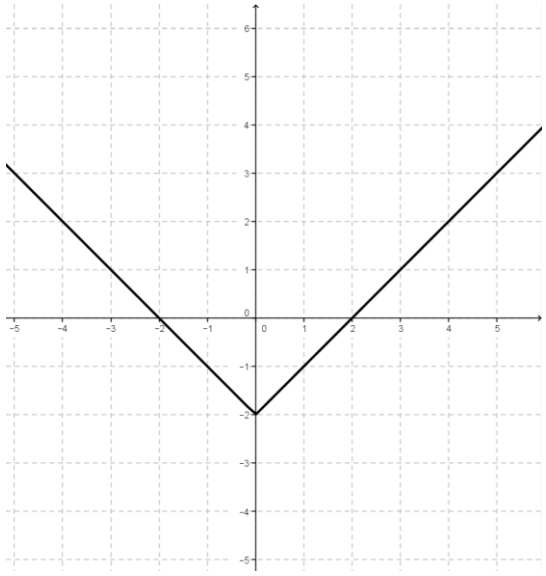
(n)



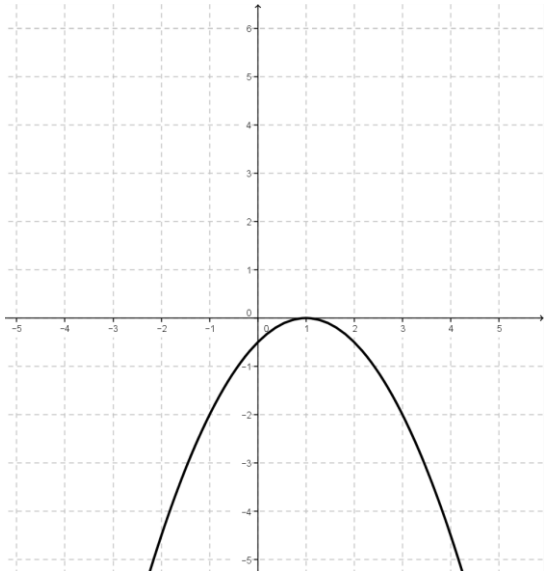
(o)



(p)



(q)



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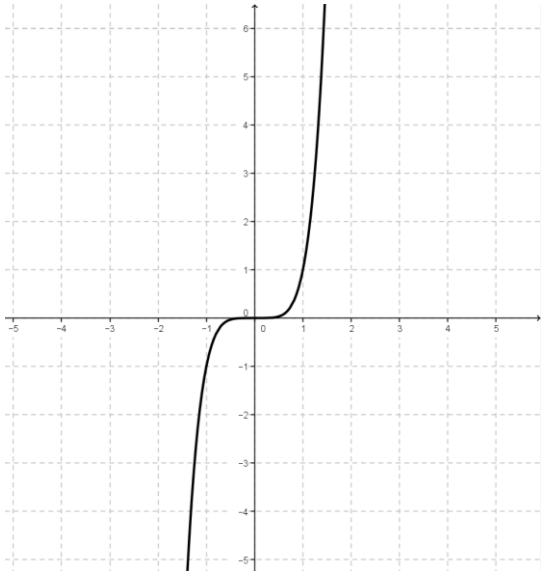
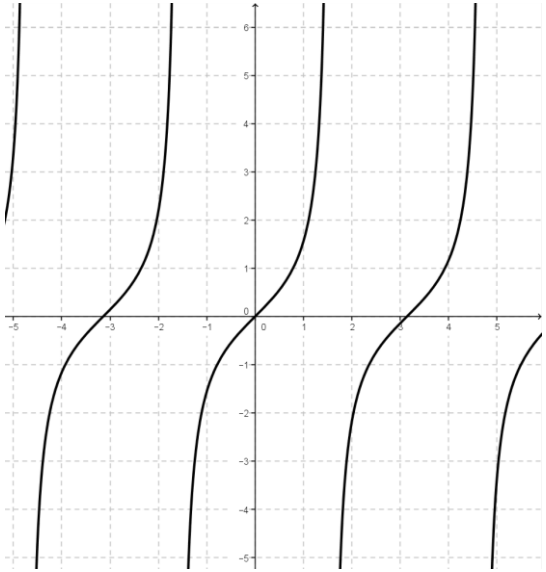


(s)



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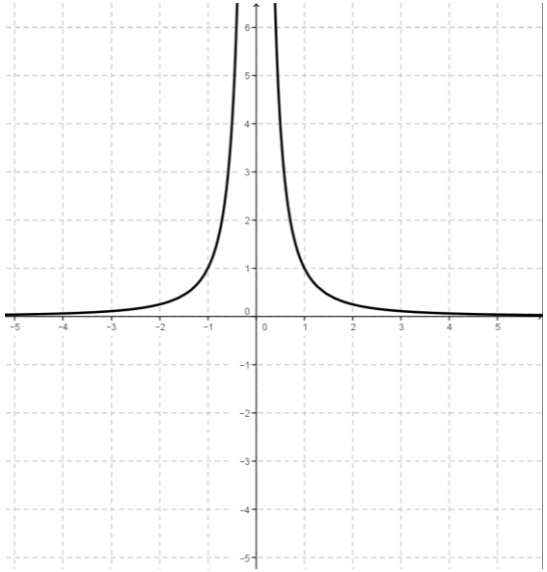

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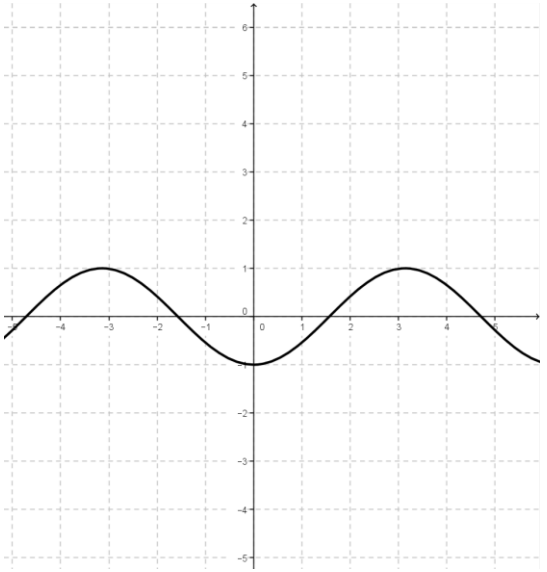

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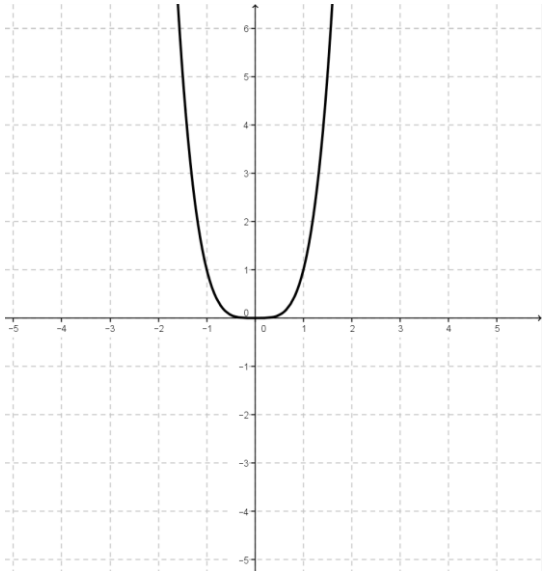

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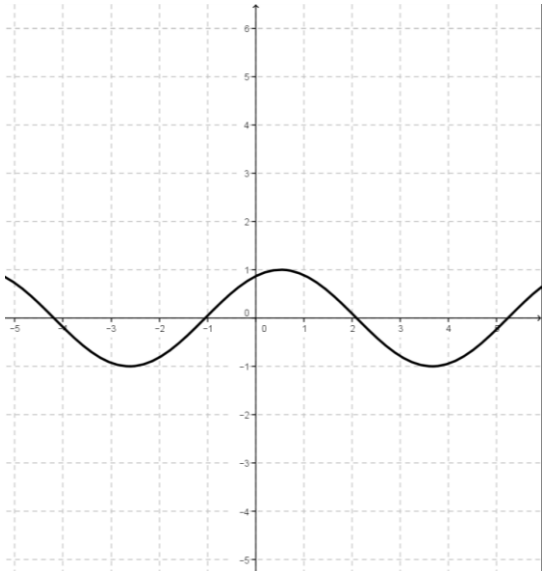
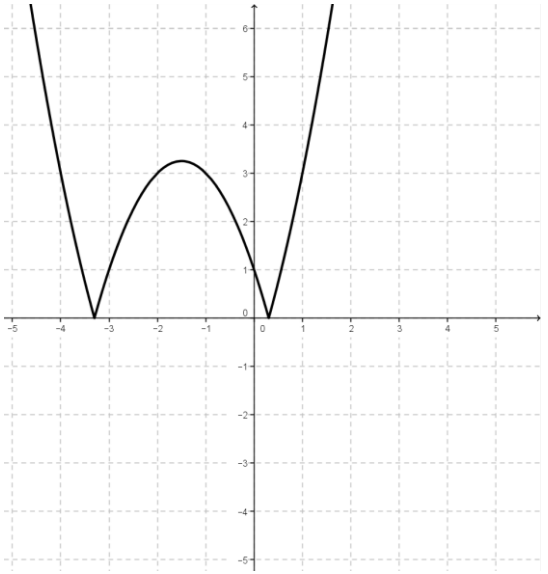


(x)



RESPOSTAS

Função	Gráfico	Justificativa
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