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Second Term Test 2023

ගණිතය II
Mathematics II

11 ශ්‍රේණිය
Grade 11

පැය තුනයි
Three hours

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- අරය r ද පෘෂ්ඨ උස h ද වන වෘත්තාකාර සිලින්ඩරයක පරිමාව $\pi r^2 h$ ද අරය r වූ ගෝලයක පරිමාව $\frac{4}{3} \pi r^3$ ද වේ.

A කොටස

- ප්‍රශ්න පහකට පමණක් පිළිතුරු සපයන්න.

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 - ගෙවීම් ඉතිරි ණය මුදල සොයන්න.
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- $y = x^2 + 4x - 2$ ශ්‍රිතයේ ප්‍රස්ථාරය ඇඳීමට පුළුල් අසම්පූර්ණ අගය වලටත් පහත දැක්වේ.

x	-5	-4	-3	-2	-1	0	1
y	3	-2	-5		-5	-2	3

- $x = -2$ වී y සොයන්න.
- X හා Y අන්තර් දිගේ කුඩා කොටු 10 ක් ඒකකය ලෙස පරිමාණය ගෙන ප්‍රස්ථාරය අඳින්න.
- ශ්‍රිතය සෘණව අඩුවන x හි අගය ප්‍රාන්තරය සොයන්න.
- සැරැටි ලක්ෂ්‍යයේ ඛණ්ඩාංක ලියා ශ්‍රිතයේ සමීකරණය $y = (x + a)^2 + b$ ආකාරයෙන් ලියන්න. මෙහි a හා b නියත වේ.
- $x^2 + 4x - 2 = 0$ හි විශාල මූලය සොයා $\sqrt{6}$ හි අගය පළමු දශමස්ථානයට සොයන්න.

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J Rink



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