**Summary:**

36000 variations. Perimeter. Arc length. Area. Surface area.

**Question: 36000 Variations**

a) Calculate the *perimeter* and *area* of the following shape.

<EFOFEX>
id:fxd{b502804d-e76a-4d54-ac88-4e62b06b6189}
FXGP:DP-8JVHKG7
FXData:

</EFOFEX>

b) Find the surface area of the following solid.

<EFOFEX>
id:fxd{4549cb82-4f51-4093-ab55-e8f83a564e44}
FXGP:DP-K65ZLQK
FXData:

</EFOFEX>

**Solution:**

a)

<EFOFEX>
id:fxd{13cd8541-76a9-490c-b0cc-3ee74bdc8299}
FXGP:DP-8JVHKG7
FXData:

</EFOFEX>

<EFOFEX>
id:fxe{e030a80f-e5cd-4ce3-8397-34a7d6046e6a}
FXGP:DP-8JVHKG7
FXData:

</EFOFEX>

<EFOFEX>
id:fxe{5c167493-11fd-431a-b95a-0417fcda0aa1}
FXGP:DP-8JVHKG7
FXData:

</EFOFEX>

b)

<EFOFEX>
id:fxd{ef36d68f-ede3-4a3f-8e6e-1378cb888404}
FXGP:DP-K65ZLQK
FXData:

</EFOFEX>

<EFOFEX>
id:fxe{115483e2-1e9e-4816-9cc7-1b28fddcf184}
FXGP:DP-K65ZLQK
FXData:

</EFOFEX>