

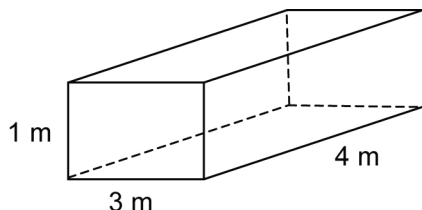
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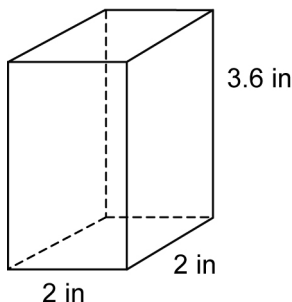
Practice: Surface Area of Prisms and Pyramids

1. For each prism, draw and label a net, then find the surface area.

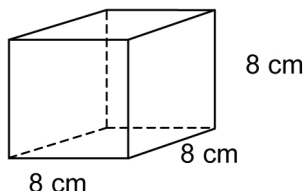
a)



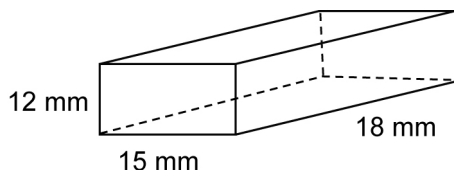
b)



c)

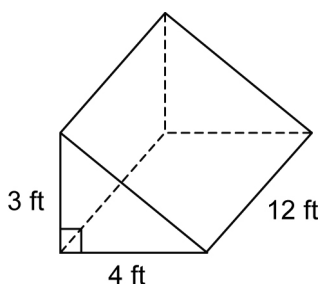


d)

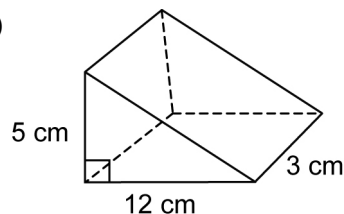


2. For each prism, draw and label a net, then find the surface area to the nearest tenth of a unit.

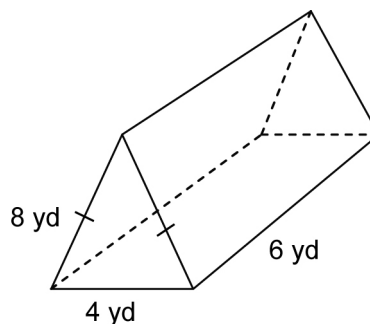
a)



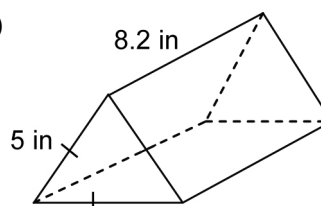
b)



c)

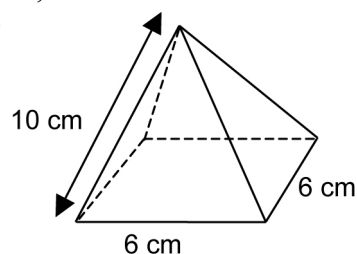


d)

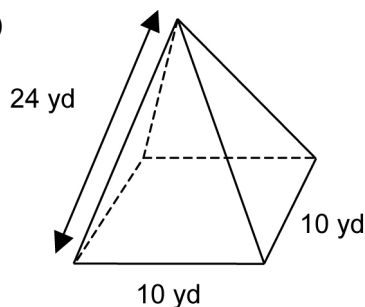


3. For each square-based pyramid, draw and label a net, then find the surface area.

a)



b)

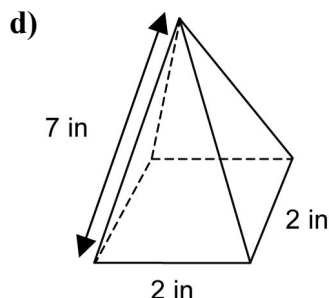
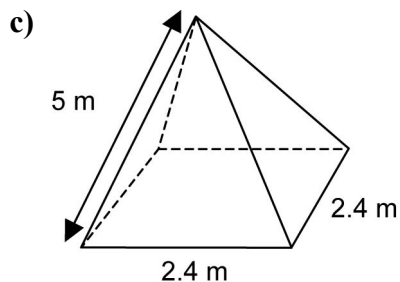


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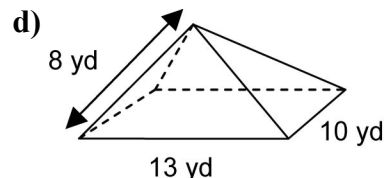
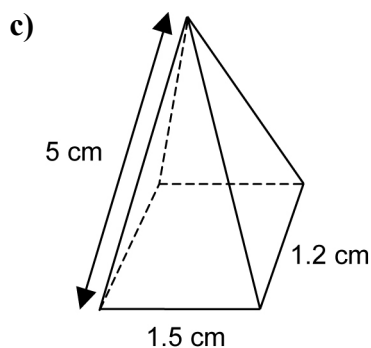
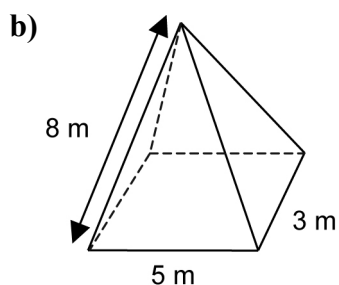
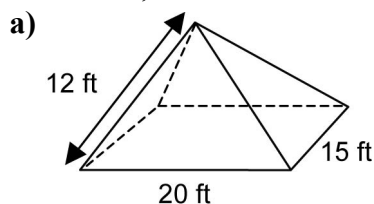
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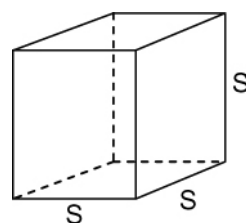
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4. For each rectangular-based pyramid, draw and label a net, then find the surface area.

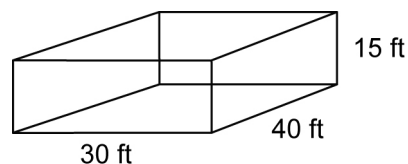


5. What effects do the following changes have on the surface area of a cube? Explain your answers.



- a) Each of the side lengths are doubled.
b) The sides of the cube are decreased to one half of their original length.

6. Which has greater surface area, a square pyramid with base 4 cm by 4 cm and slanted sides 6 cm, or a square pyramid with base 6 cm by 6 cm and slanted sides 4 cm?
7. The walls of the school gymnasium need a fresh coat of paint. The floor needs to be sprayed with a protective sealant.



- a) For what area does the school need to buy paint?
b) For what area does the school need to buy sealant?