

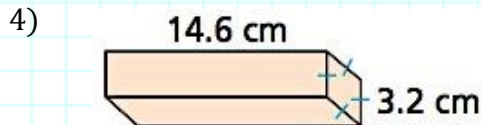
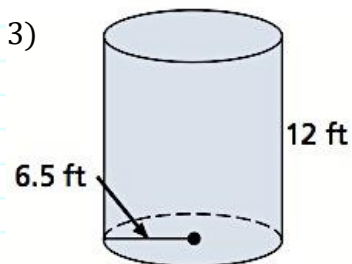
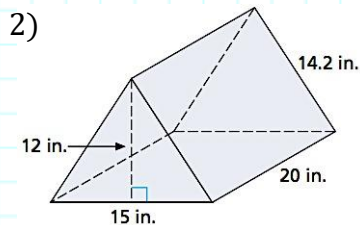
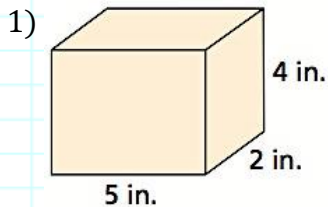
5A.8 Learning Opportunity

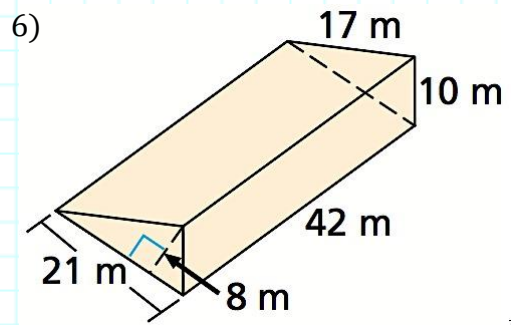
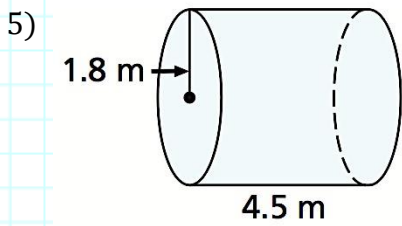
Surface Area of prisms and cylinders



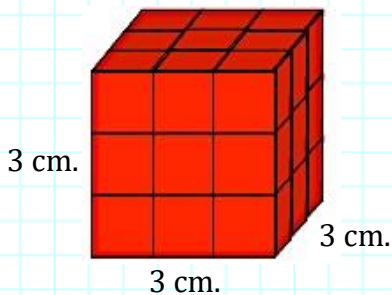
Name: _____

Find the surface area of each prism or cylinder shown below. Round each answer to the nearest whole number. When Pi is needed, please estimate using 3.14. You may use a calculator for your computation as long as you show the formulas you used and the steps of your work.





- 7) The cube shown below was painted red on the three faces you see and painted blue on the faces hidden from your view. It was then sliced into 27 one-centimeter cubes, as shown in the diagram.



How many of the small cubes have paint on none of their faces?

How many small cubes have just one face painted?

How many small cubes have blue paint on exactly one face?

How many small cubes have paint on exactly two faces?

How many small cubes with paint on exactly two faces have one red face and one blue face?

How many small cubes have paint on three faces?

How many small cubes have blue paint on all three faces?

How many small cubes have paint on more than three faces?