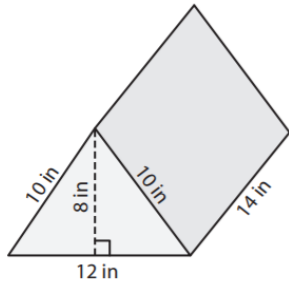## Surface Area of Triangular Prisms and Cylinders
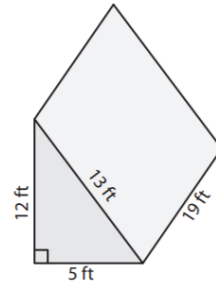
1) Calculate the surface area of each triangular prism below (include units in your answer)
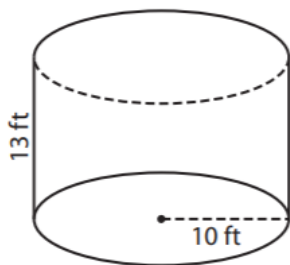
a)
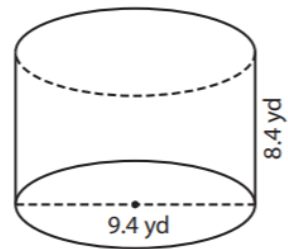

10 in 8 in 10 in 14 in 12 in

b)

12 ft 13 ft 19 ft 5 ft

2. Calculate the surface area of each cylinder (include units in your answer).
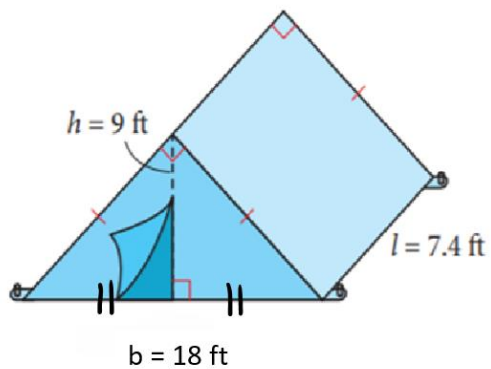
a)

13 ft 10 ft

b)

8.4 yd 9.4 yd

3. **Glen owns a fabric shelter that is shaped like a triangular prism (see below). The floor is made of wood but all the outer walls are made of a durable, water-proof fabric. What is the total surface area of the outside fabric? Show all work and include proper units.**

$h = 9$ ft

$l = 7.4$ ft

b = 18 ft

4. **Jared owns a cylindrical tank that he uses to store grain (see below). He would like to paint the outside walls and roof of the tank. What is the surface area of the painted region? Show all work and include proper units.**

13 ft

23 ft