

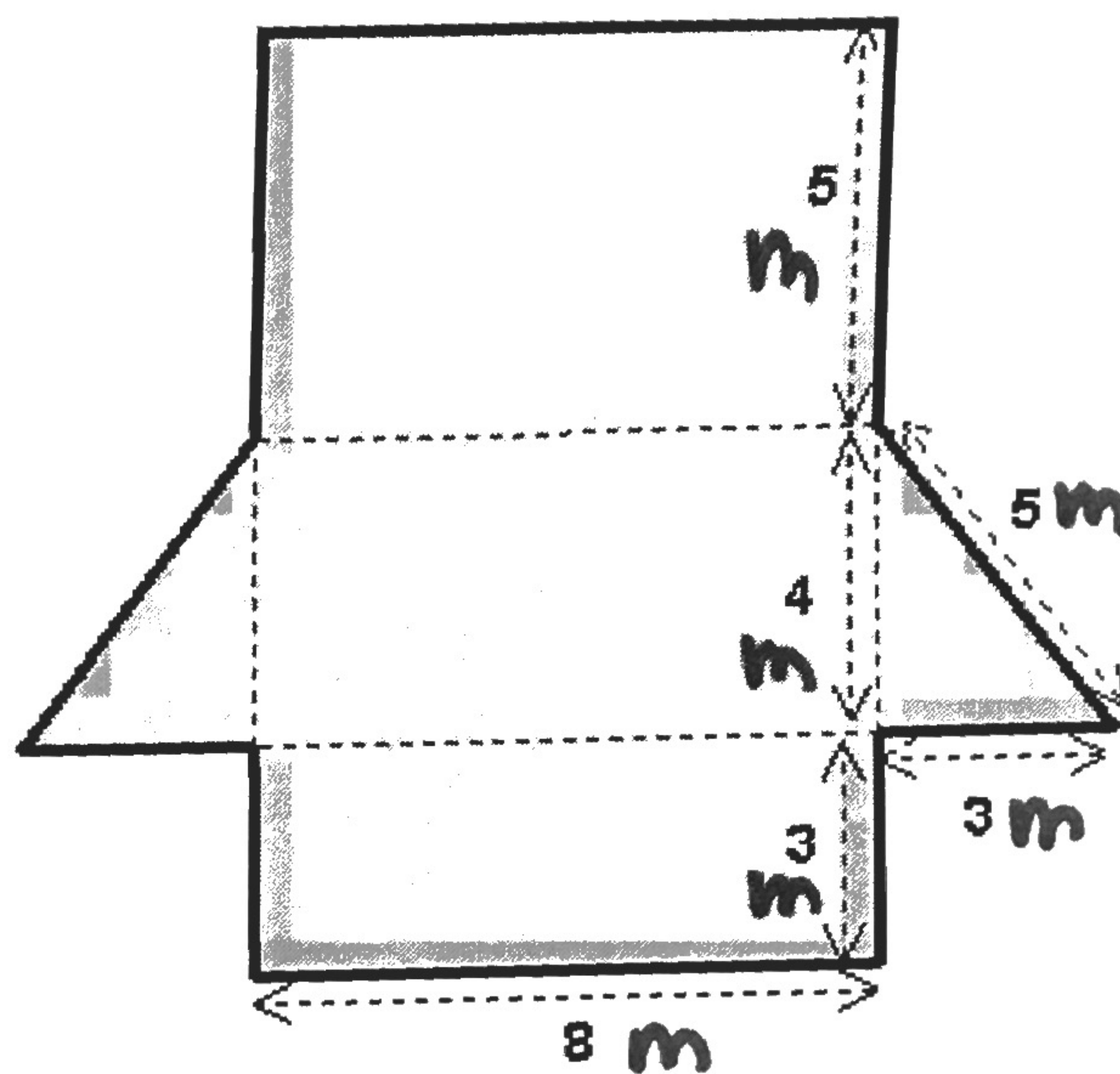
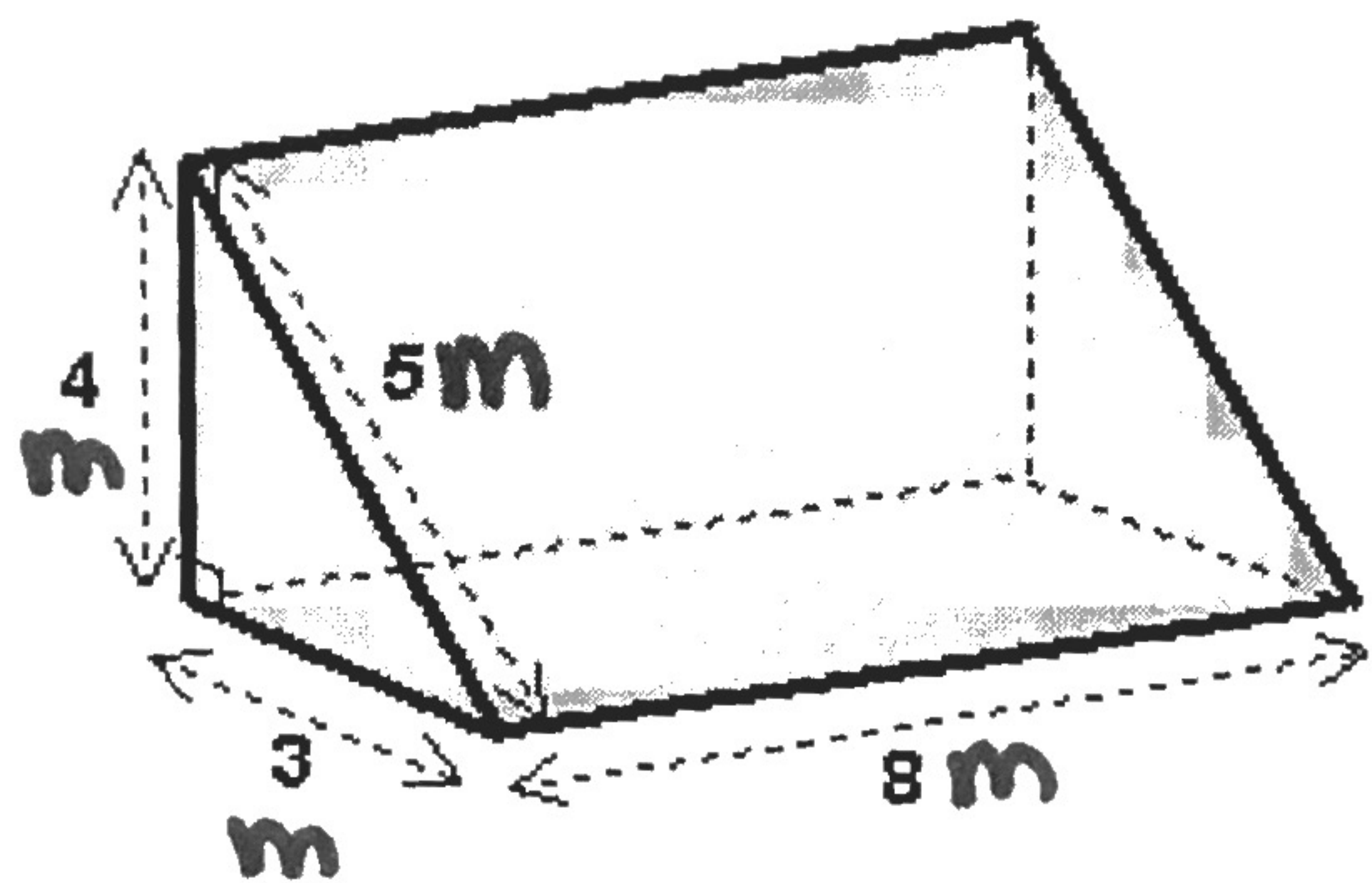
SPIRAL # 16

NAME: _____
6th Grade

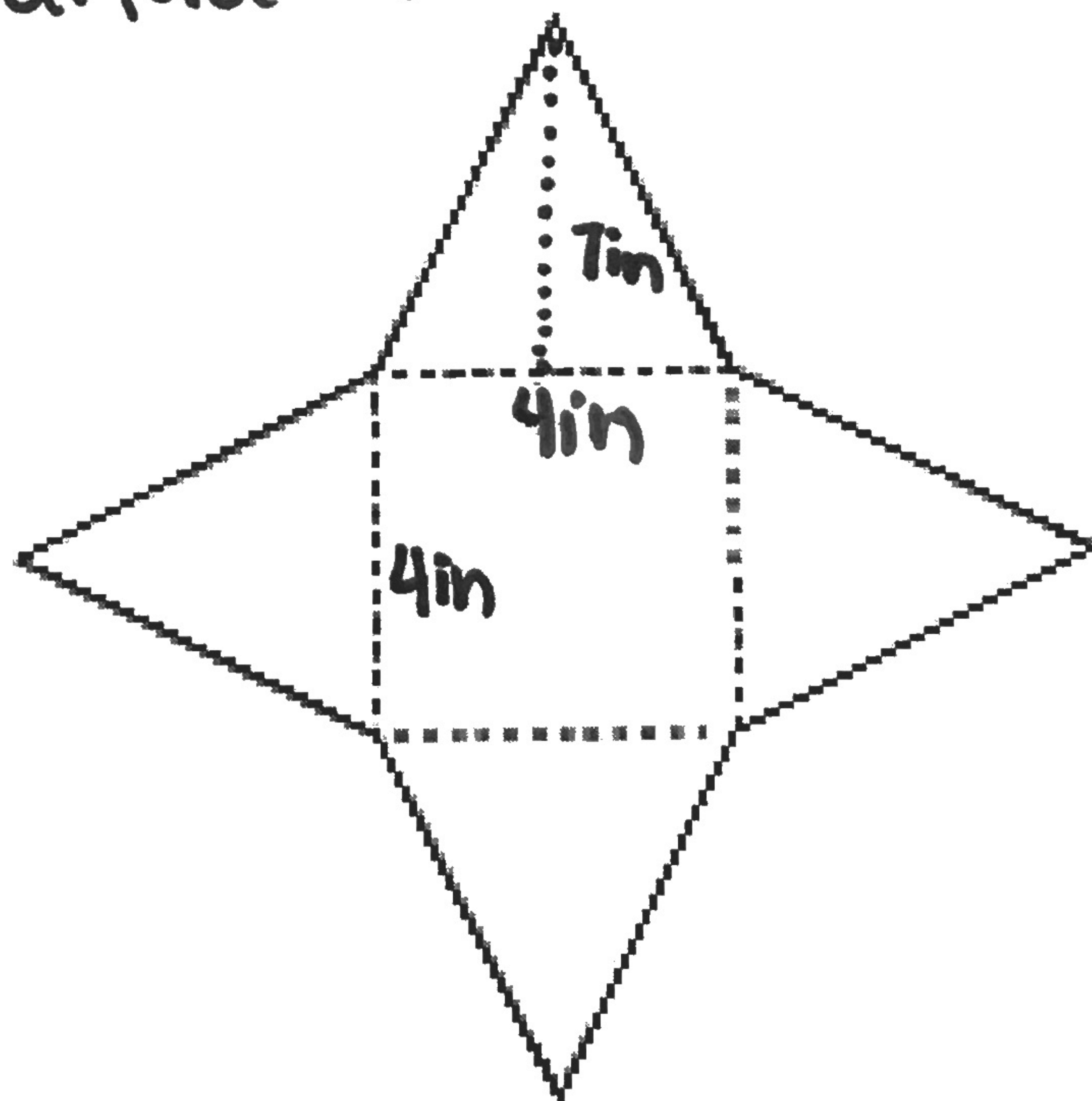
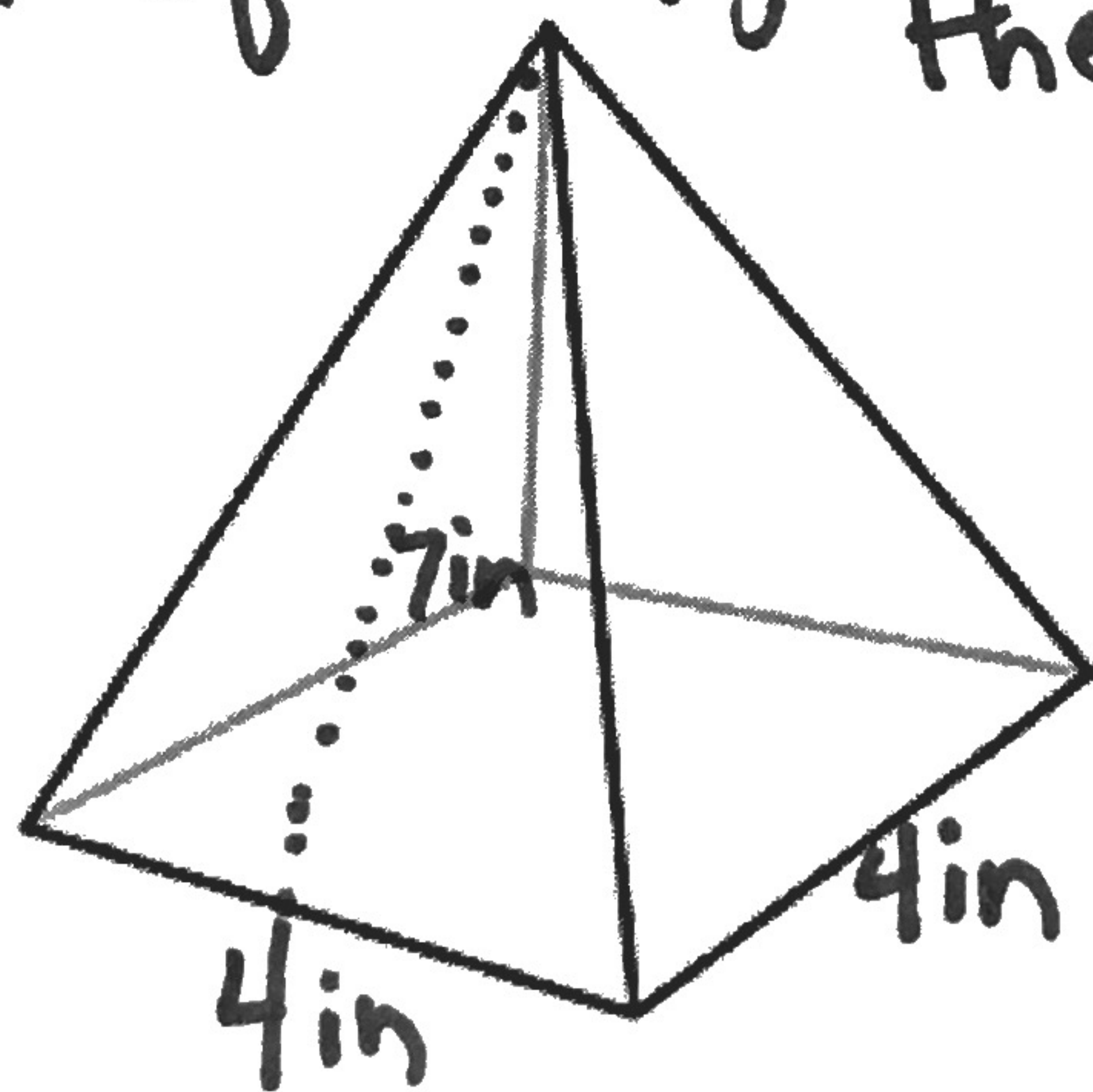
- ① The ratio of girls to boys is 5:3. How many boys are in a class of 32 total?
- ② The ratio of pink to purple is 1:7. How many pink are there if there are 63 purple?
- ③ The ratio of desks to sofas is 2:3. How many sofas are there if there are 28 desks?
- ④ The ratio of posters to paintings is 6:2. How many total pieces are there if there are 42 posters?

A triangular prism & its net are shown. Find the Surface area of the prism.

①

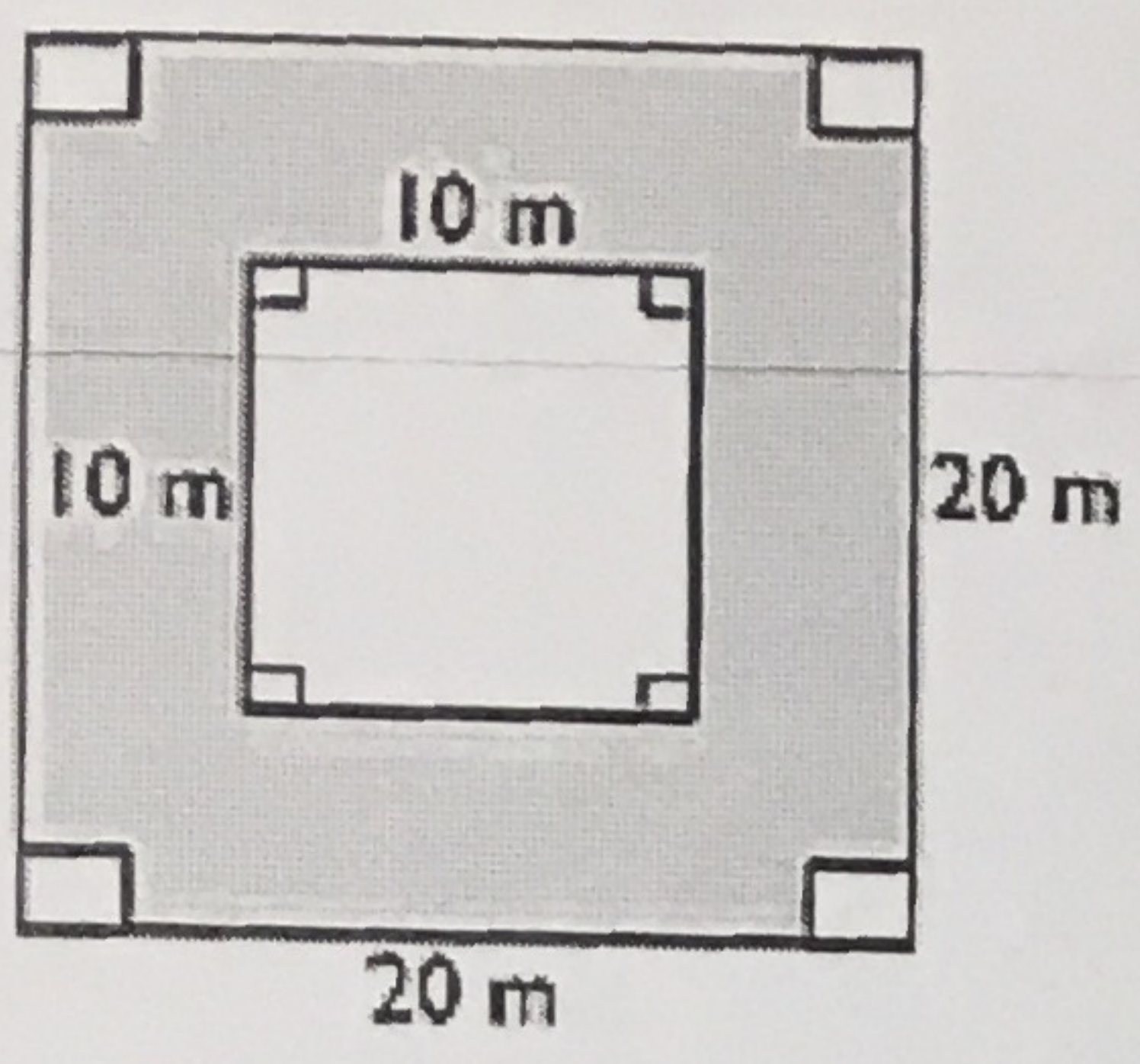


② A square pyramid & its net are shown. Find the surface area of the pyramid.

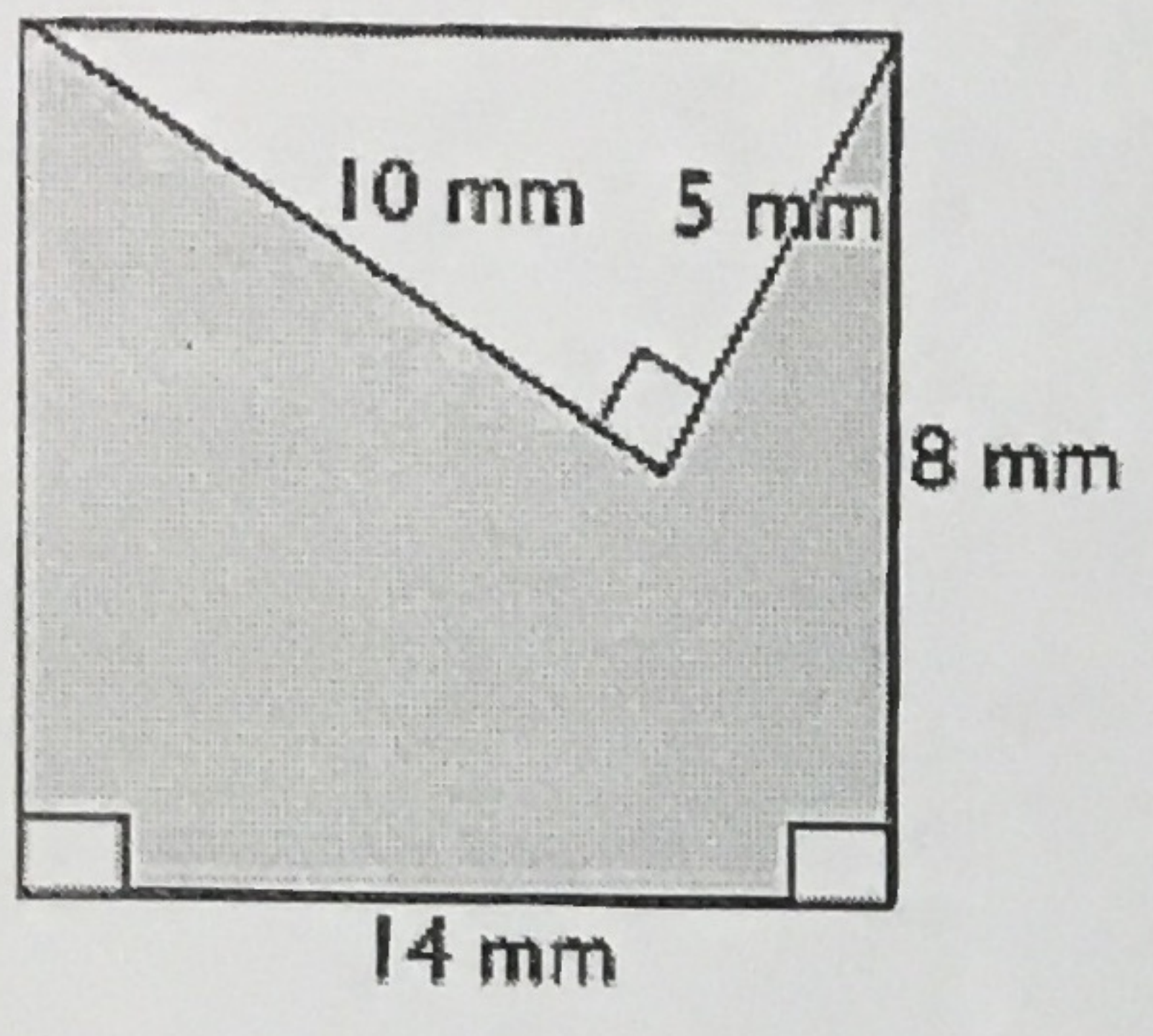


Find the area of the shaded portion of the irregular figures.

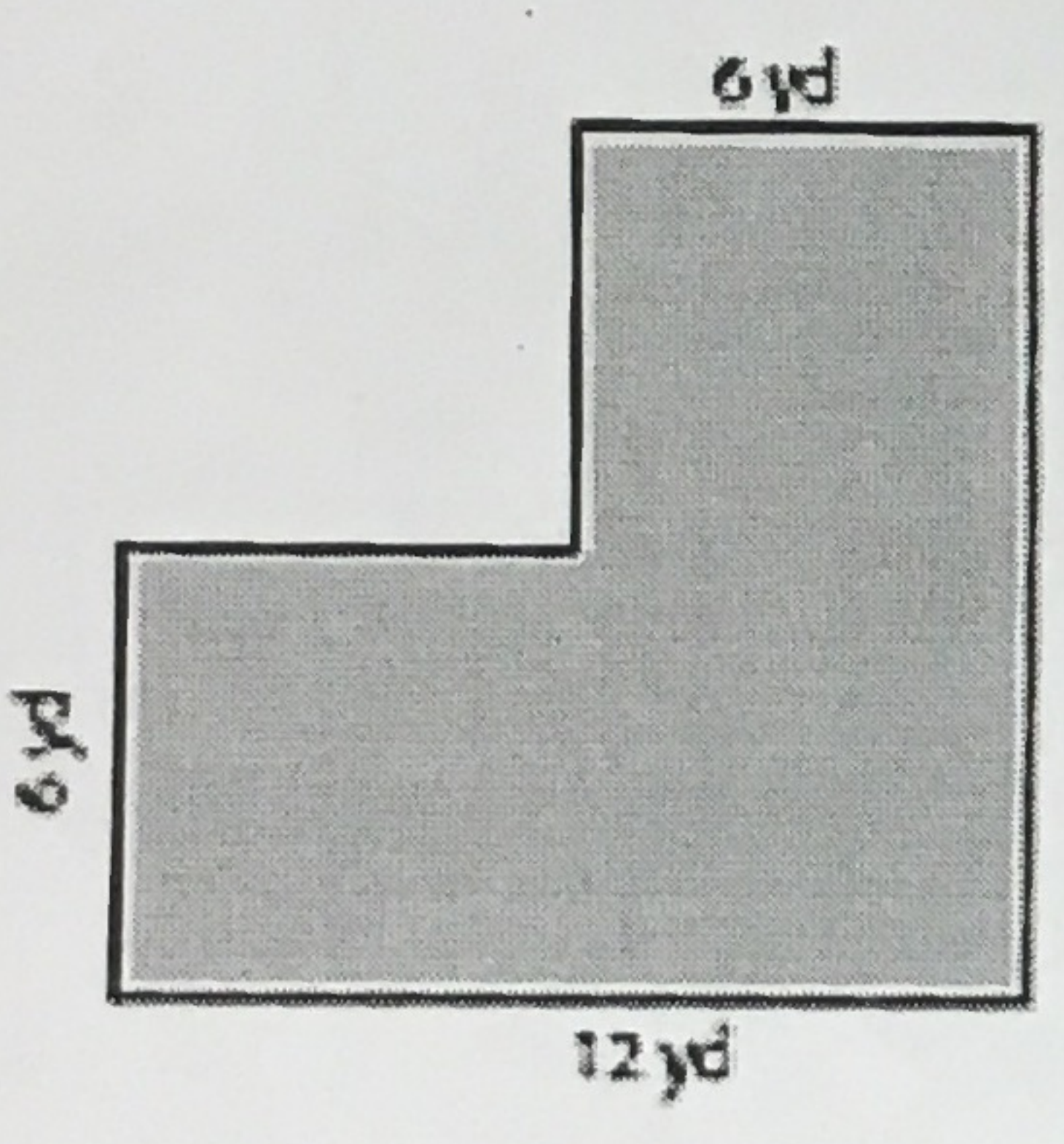
①



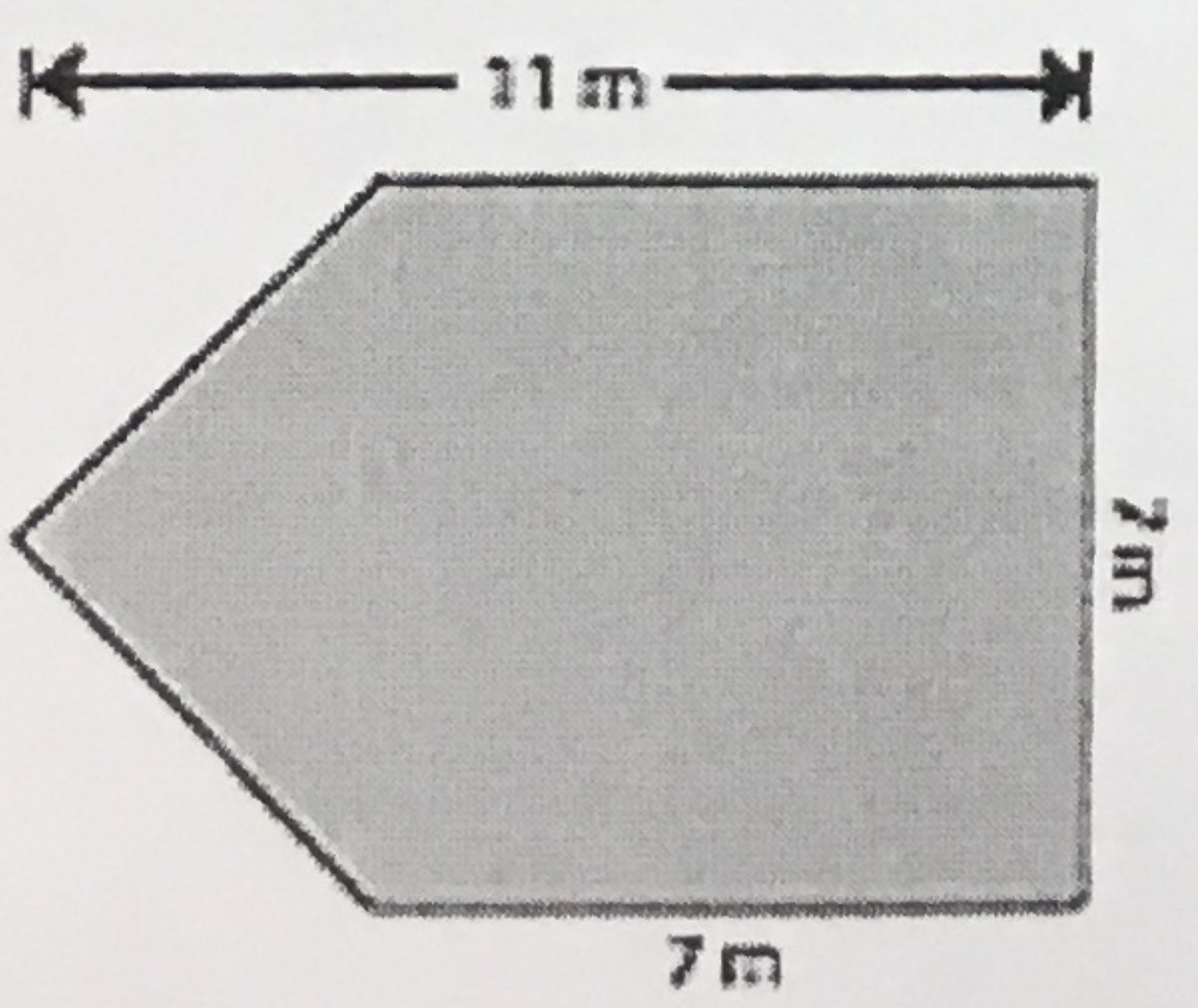
②



③



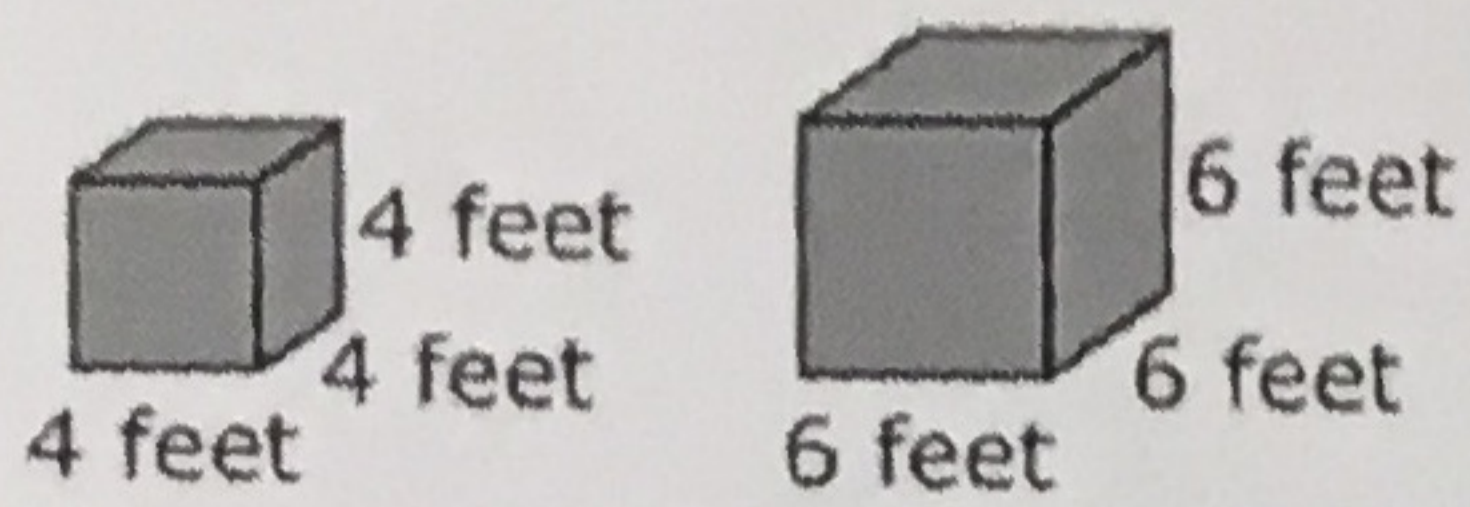
④



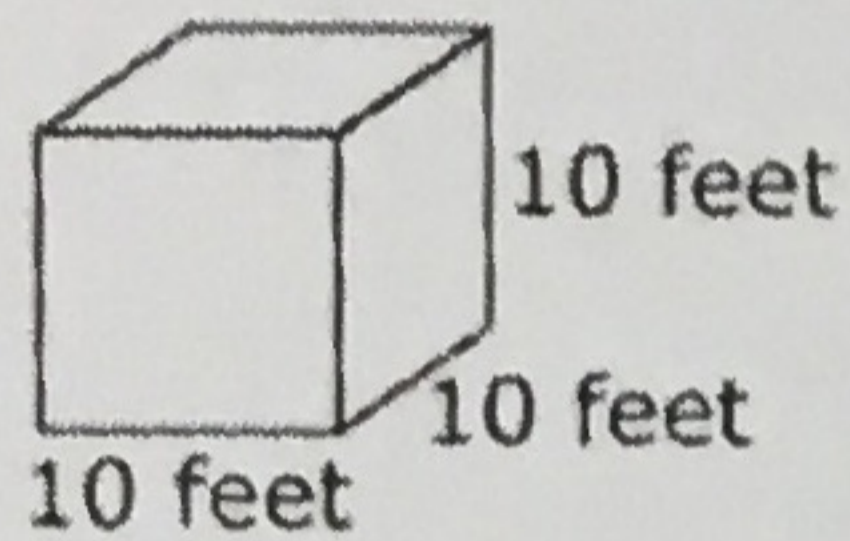
M-STEP Practice Questions

Two shaded cubes are shown.

1)



Ben states that the combined volume of these two shaded cubes is equal to the volume of this cube:



Part A: Select whether Ben's statement is true or false.

Part B: Drag numbers into the box to show the combined volume of the shaded cubes.

?

A. Ben's statement

True False

?

0
1
2
3
4
5
6
7
8
9

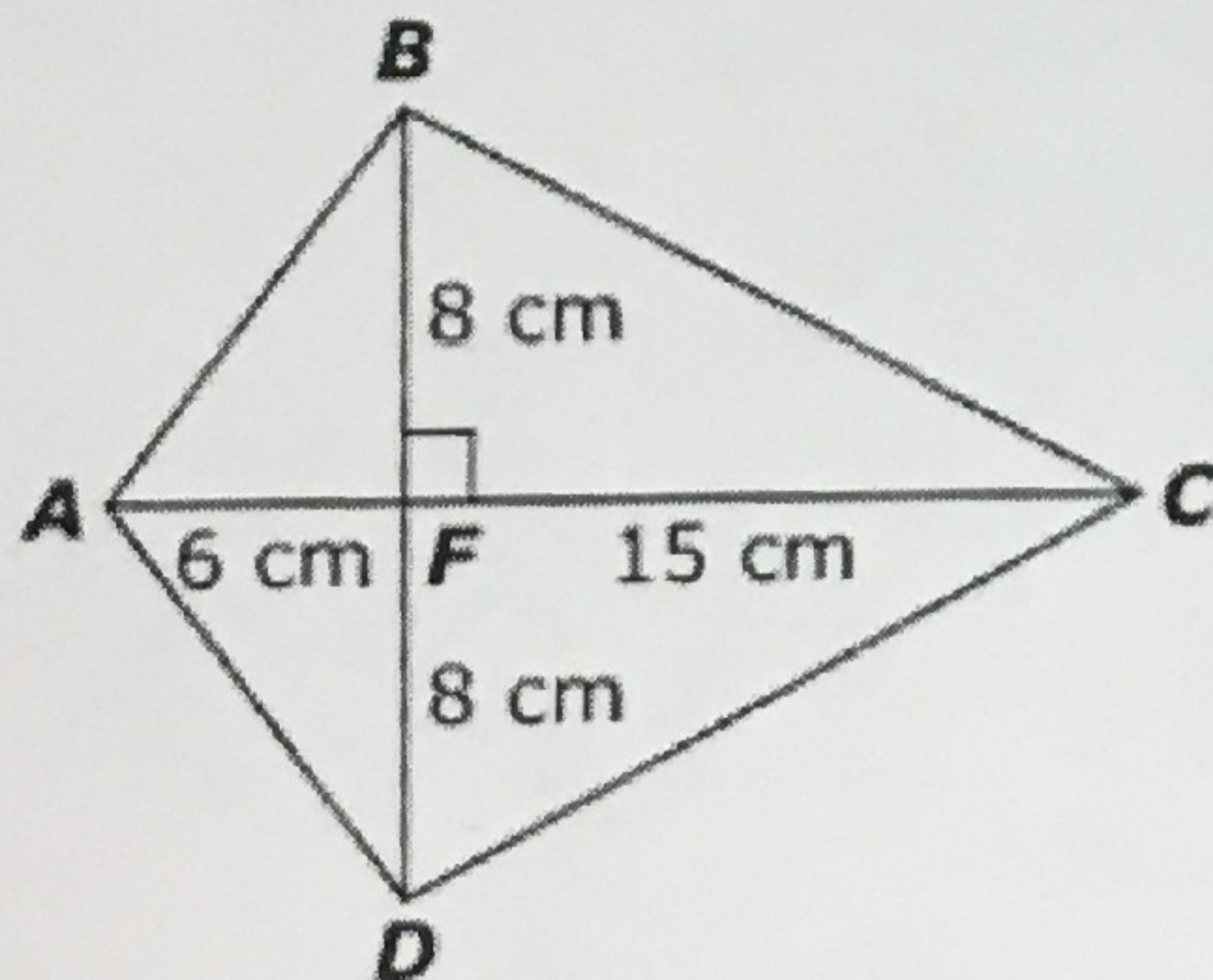
B. Combined volume

cubic feet

2) A statistical question is one where you expect to get a variety of answers. Determine whether each question can be classified as a statistical question. Select Yes or No for each question.

	Yes	No
How many hours a week do people exercise?	<input type="checkbox"/>	<input type="checkbox"/>
How many hours are there in a day?	<input type="checkbox"/>	<input type="checkbox"/>
How many rainbows have students seen this month?	<input type="checkbox"/>	<input type="checkbox"/>

3) Consider this figure.



Enter the total area of figure *ABCD* in square centimeters.