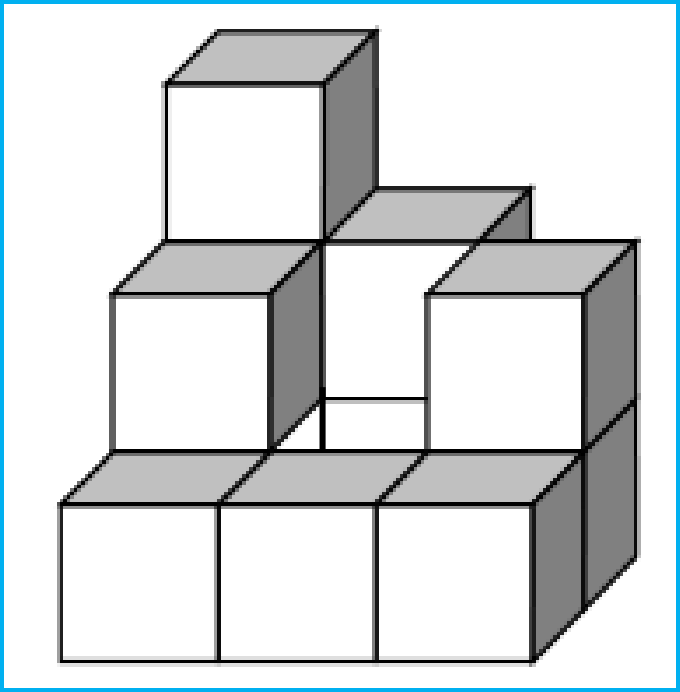
Create a mat plan for this solid.



3	2	0
2	0	2
1	1	1

What is the volume of this solid using the mat plan?

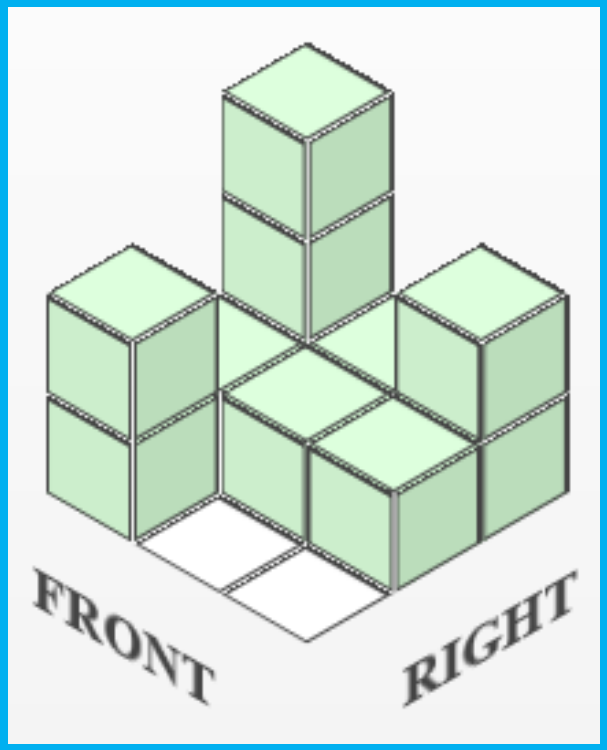
0	2	2
5	4	1
4	1	1

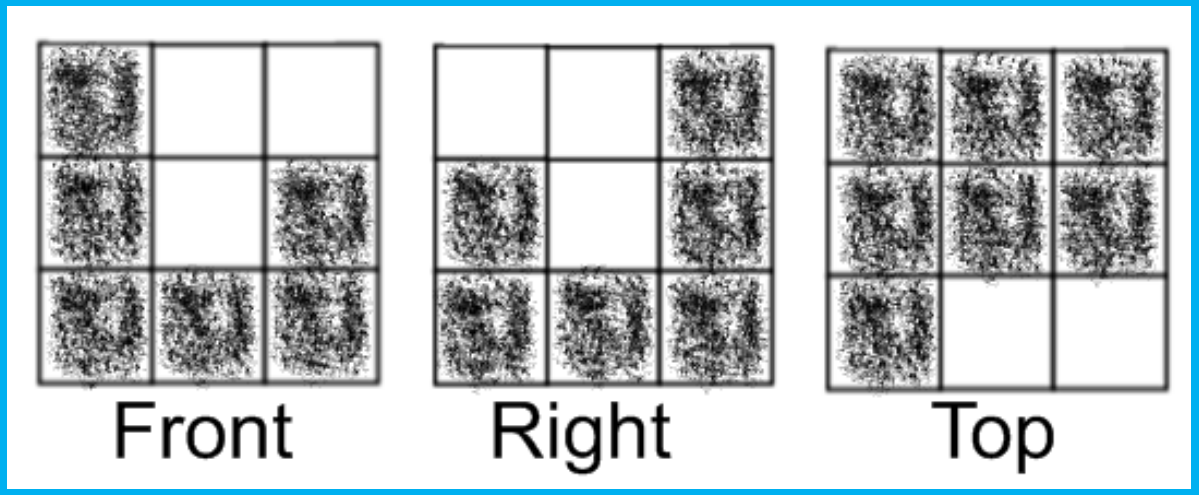
20 cubic units

Create a possible mat plan with a volume of 16 cubic units.

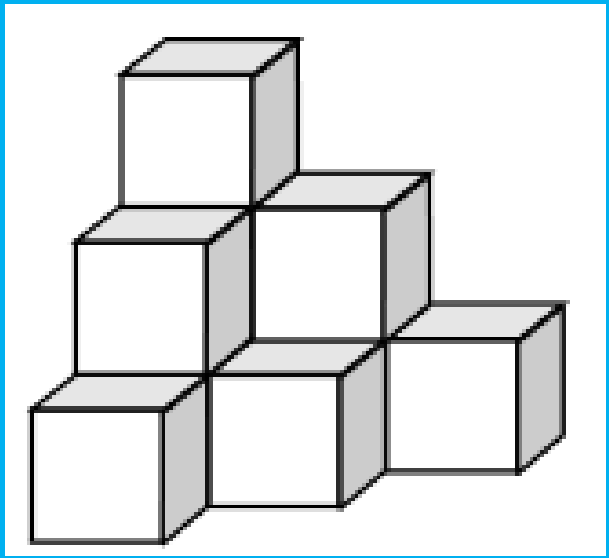
Answers vary

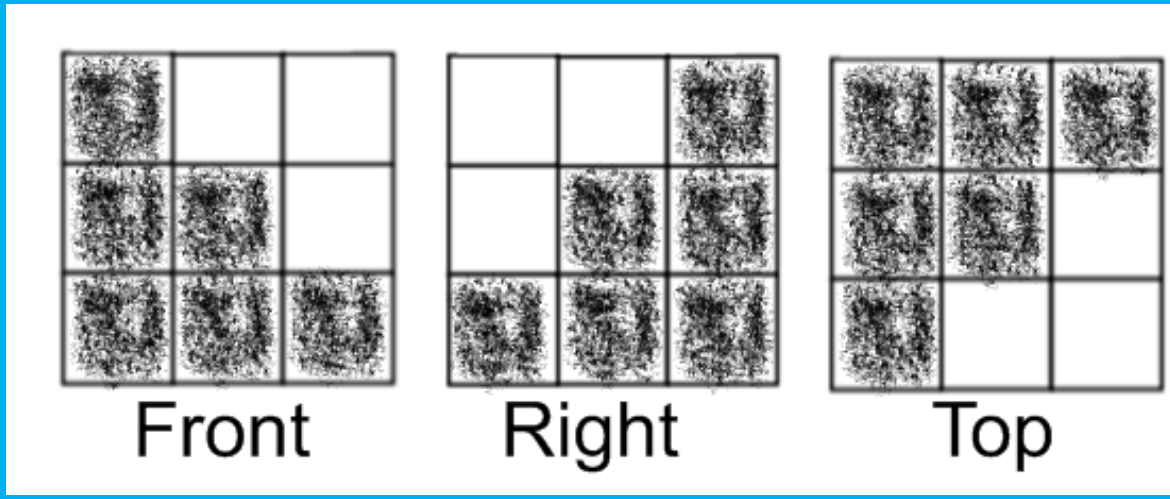
Draw the front, right, and top views of this solid.



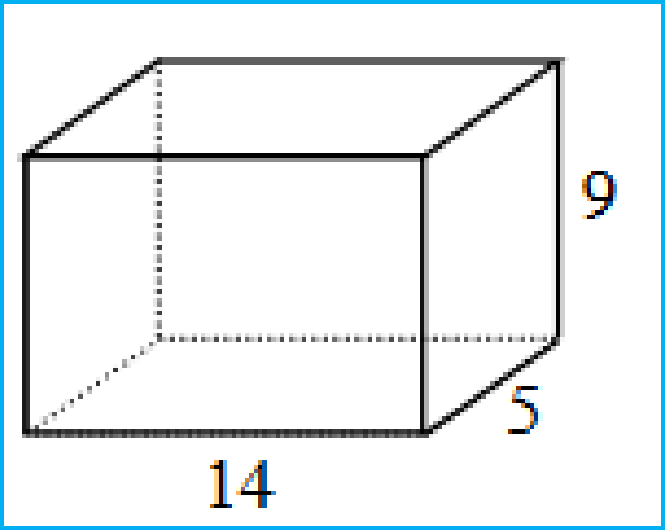


Draw the front, right, and top views of this solid.



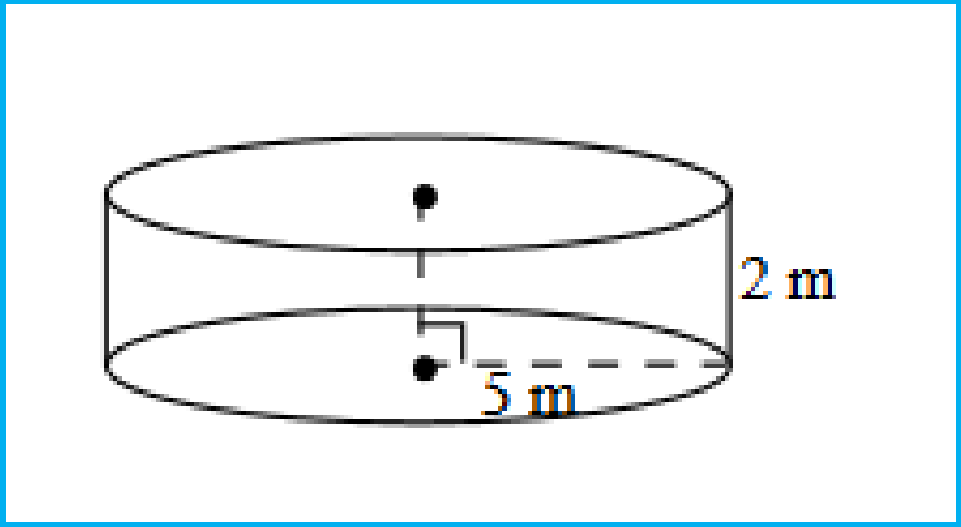


Find the volume of the rectangular prism.



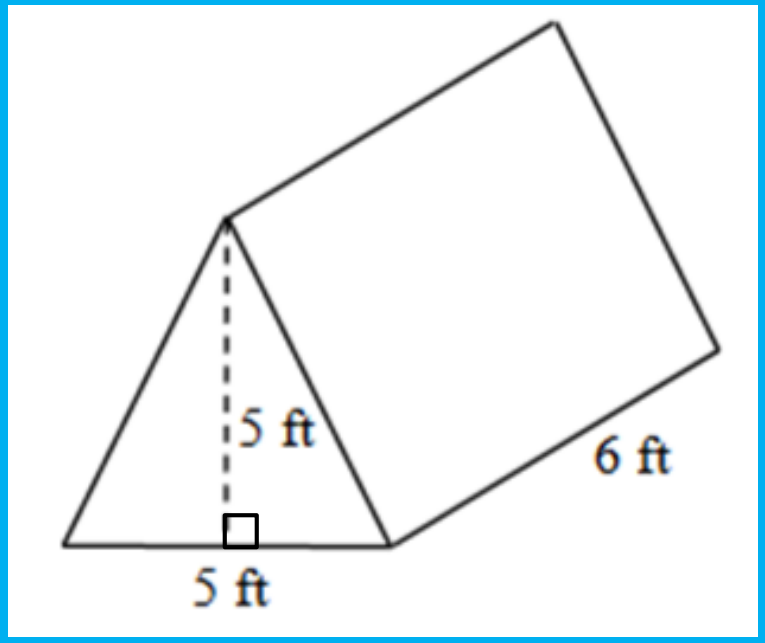
630 cubic units

Find the volume of this cylinder. Give your answer in exact form.



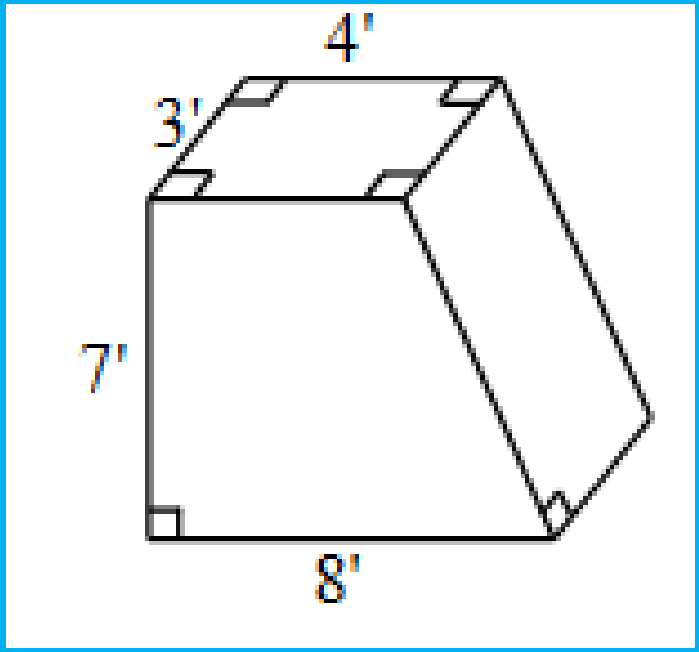
50π cubic meters

Find the volume of the triangular prism.



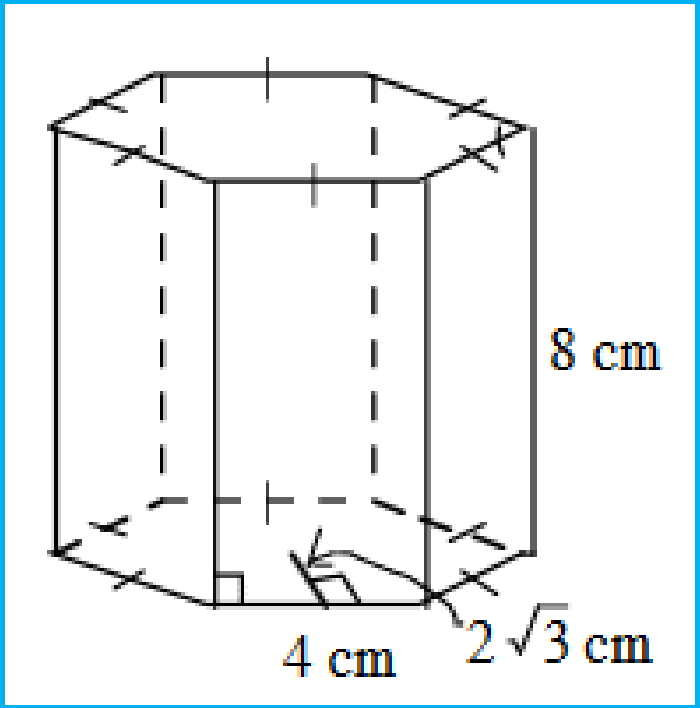
75 cubic feet

Find the volume of the prism.



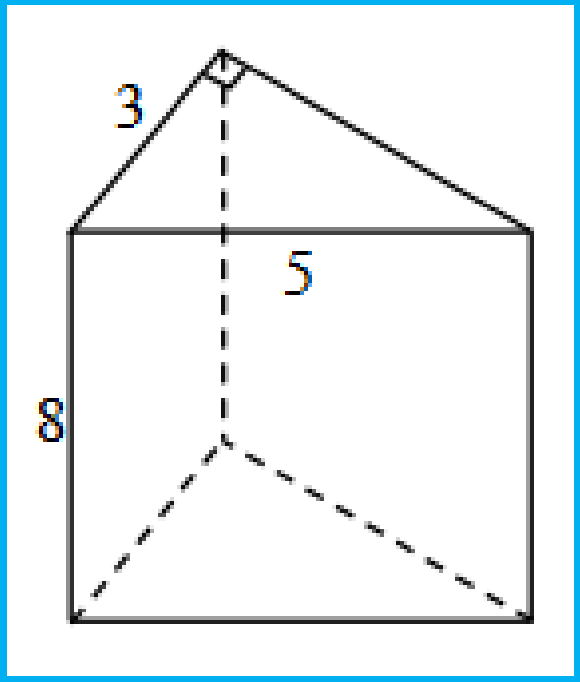
126 cubic feet

Find the volume of the hexagonal prism. Give your answer in exact form.



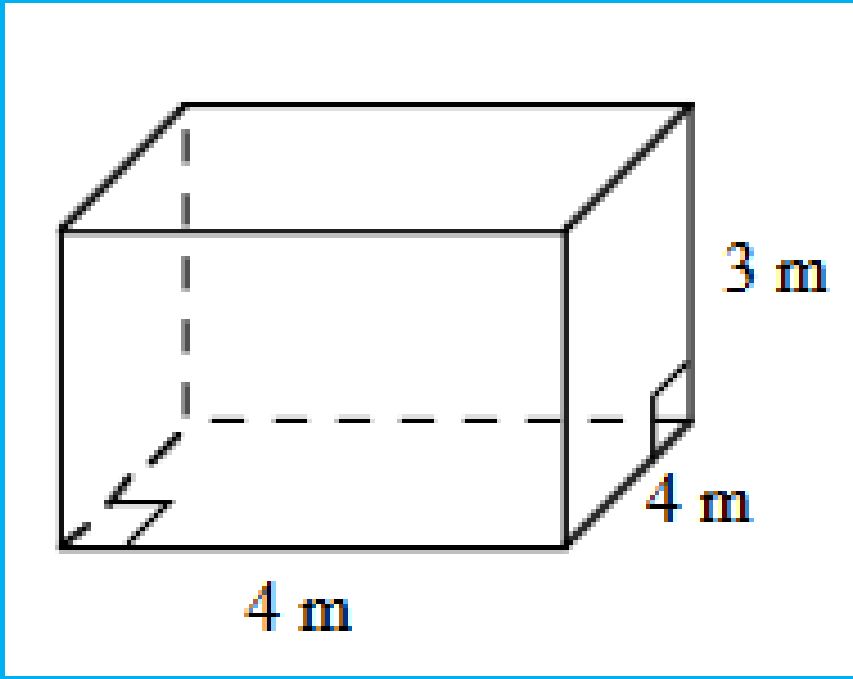
$192\sqrt{3}$ cubic cm

Find the surface area of the triangular prism.



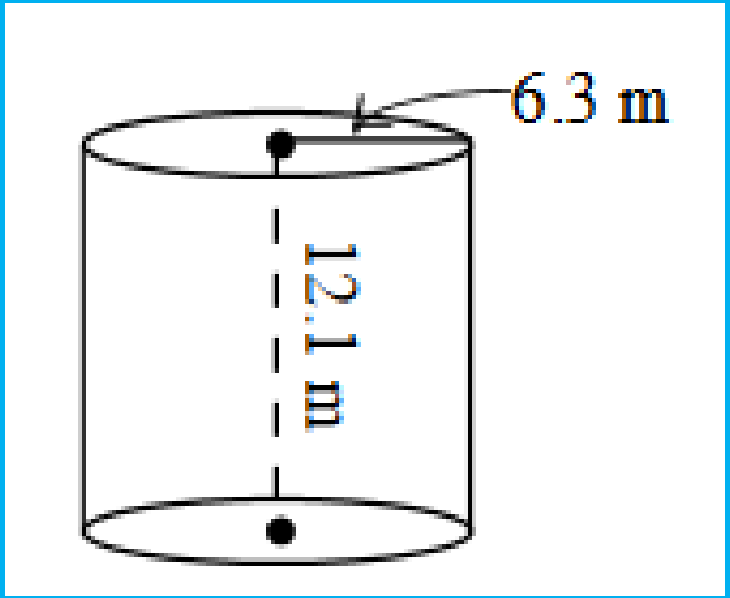
108 square units

Find the surface area of the prism.



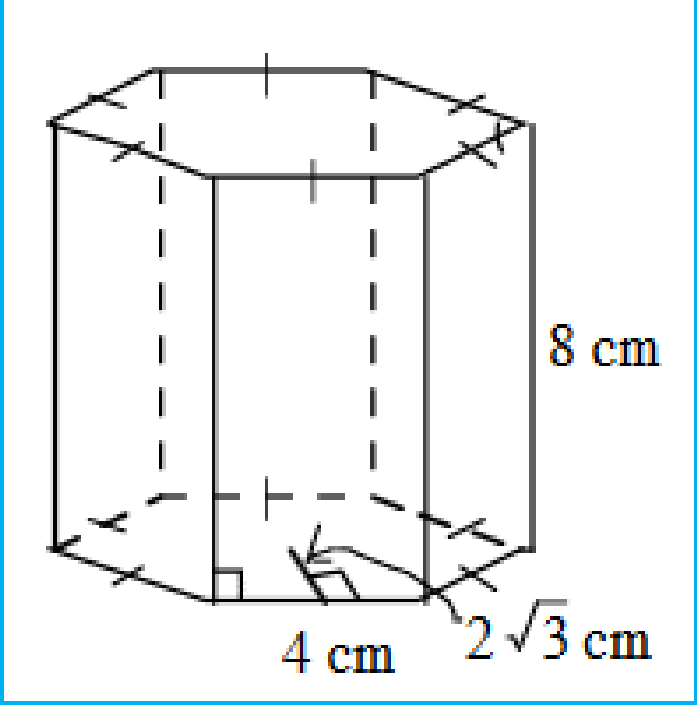
80 square meters

Find the surface area of the cylinder. Give your final answer rounded to the nearest hundredth.



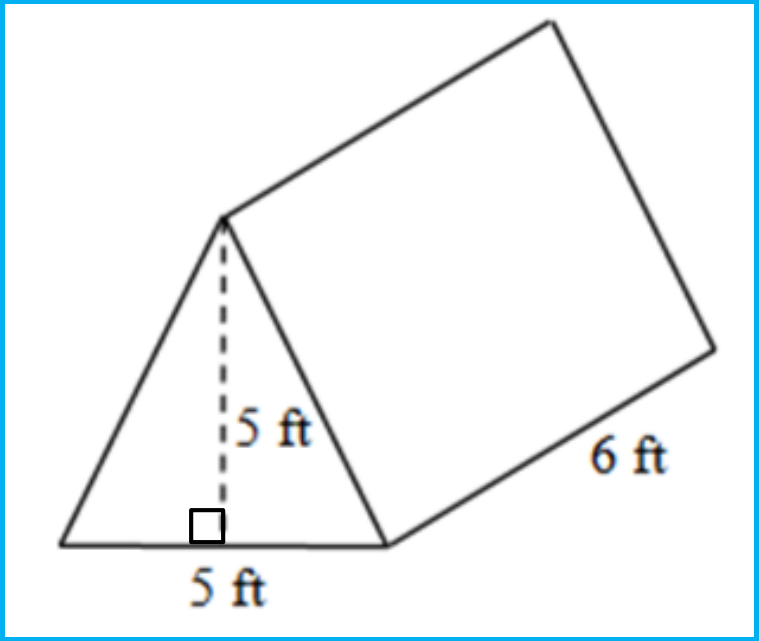
728.35 square meters

Find the surface area of the hexagonal prism. Give your answer in exact form.



$192+48\sqrt{3}$ square cm

Find the surface area of the triangular prism. Give your answer in exact form.



$55+30\sqrt{5}$ square feet

Original prism A and new prism B are similar with a linear scale factor of 2:3.
If the volume of prism A is 36 cubic units, what is the volume of prism B?

$\frac{32}{3}$ cubic units

Original hexagon A and new hexagon B are similar with a linear scale factor of 10:4.
If the area of hexagon A is 250 square in, what is the area of hexagon B?

1,562.5 square in

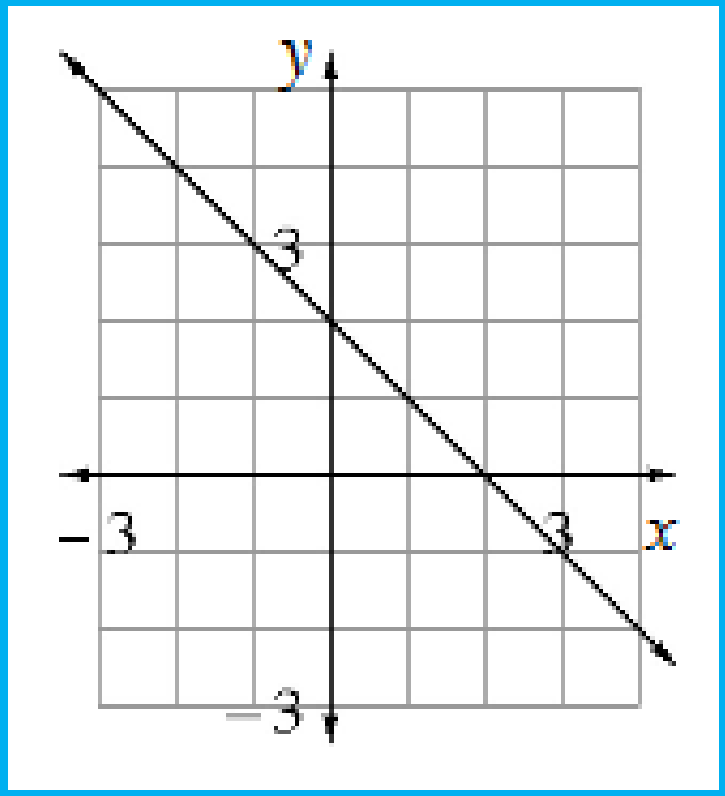
Original prism A and new prism B are similar with a linear scale factor of 5:4.
If the volume of prism B is 24 cubic in, what is the volume of prism A?

$\frac{1536}{125}$ cubic in

Original hexagon A and new hexagon B are similar.
If the area of hexagon A is 36 square in and the area of hexagon B is 4, what is the linear scale factor?

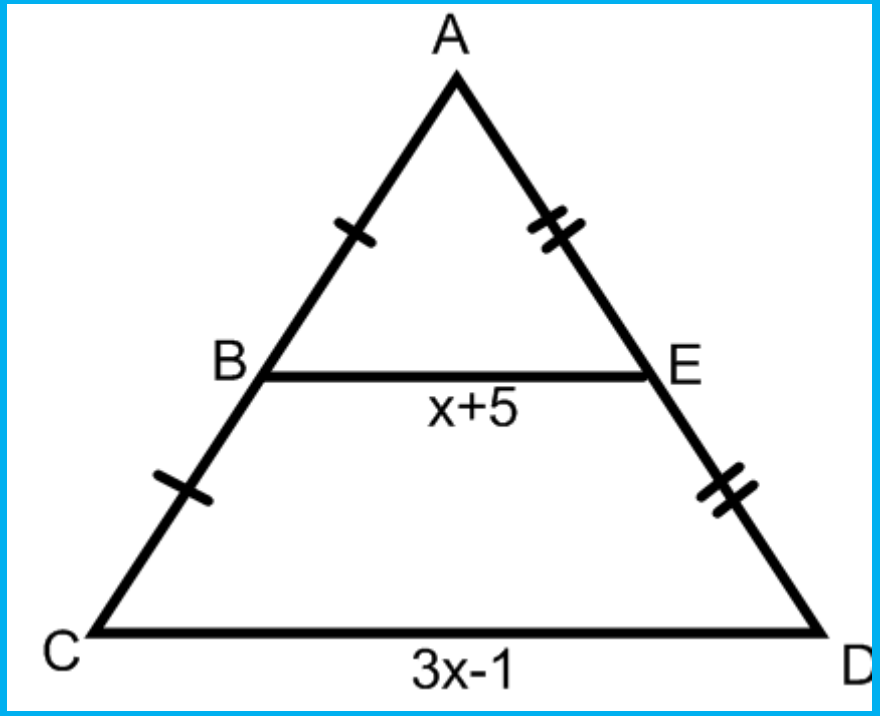
$\frac{1}{3}$

Write the equation of this line.



y = -x+2

What is the length of $\overline{BE}$?

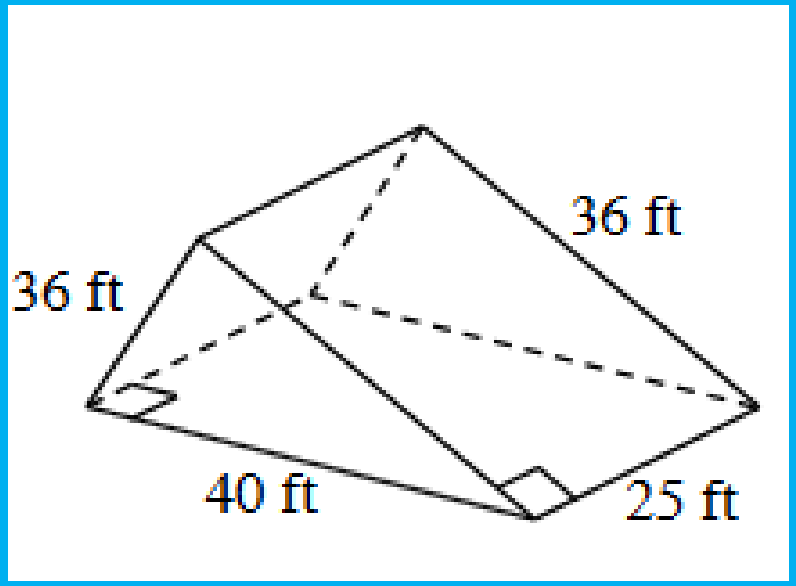


BE =16

Find the midpoint.
(25,-79) (3,12)

(14, -33.5)

Find the volume of the triangular prism. Give your answer in exact form.



$4000\sqrt{14}$ cubic feet

Find the area of a regular pentagon with side lengths of 6 in. Give your final answer rounded to the nearest hundredth.

61.94 square in