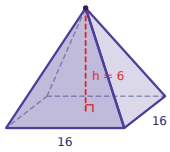
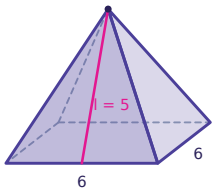
Pyramids & Prisms: Volume and Surface Area · 1

Find the total surface area of the square pyramid. (Find the slant height first.)



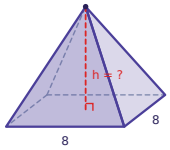
Pyramids & Prisms: Volume and Surface Area · 2

Find the volume of the square pyramid. (Find the height first.)



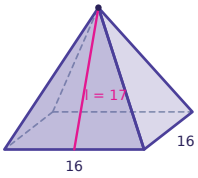
Pyramids & Prisms: Volume and Surface Area · 3

A square pyramid has a base edge of 8 and a volume of 128. Find its height.



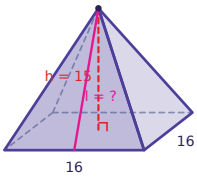
Pyramids & Prisms: Volume and Surface Area · 4

Find the total surface area of the square pyramid.



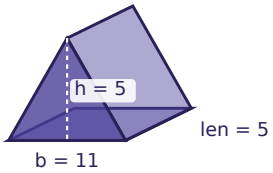
Pyramids & Prisms: Volume and Surface Area · 5

Find the slant height l of the square pyramid.



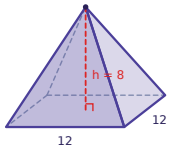
Pyramids & Prisms: Volume and Surface Area · 6

A triangular prism has a triangular base with base 11 and height 5. The prism is 5 long. Find its volume.



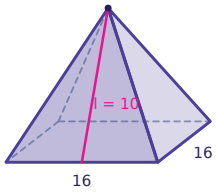
Pyramids & Prisms: Volume and Surface Area · 7

Find the total surface area of the square pyramid. (Find the slant height first.)



Pyramids & Prisms: Volume and Surface Area · 8

Find the volume of the square pyramid. (Find the height first.)



Pyramids & Prisms: Volume and Surface Area · 2

ANSWER

48

Pyramids & Prisms: Volume and Surface Area · 1

ANSWER

576

Pyramids & Prisms: Volume and Surface Area · 4

ANSWER

800

Pyramids & Prisms: Volume and Surface Area · 3

ANSWER

6

Pyramids & Prisms: Volume and Surface Area · 6

ANSWER

137.5

Pyramids & Prisms: Volume and Surface Area · 5

ANSWER

17

Pyramids & Prisms: Volume and Surface Area · 8

ANSWER

512

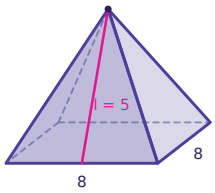
Pyramids & Prisms: Volume and Surface Area · 7

ANSWER

384

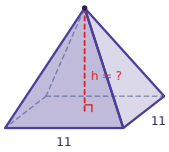
Pyramids & Prisms: Volume and Surface Area · 9

Find the volume of the square pyramid. (Find the height first.)



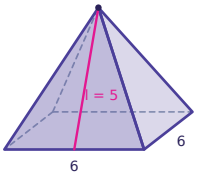
Pyramids & Prisms: Volume and Surface Area · 10

A square pyramid has a base edge of 11 and a volume of 121. Find its height.



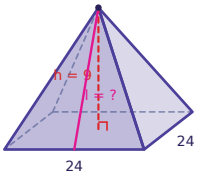
Pyramids & Prisms: Volume and Surface Area · 11

Find the total surface area of the square pyramid.



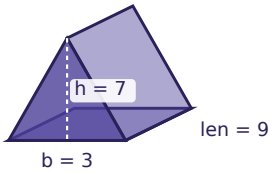
Pyramids & Prisms: Volume and Surface Area · 12

Find the slant height l of the square pyramid.



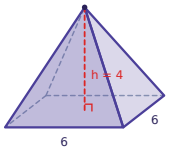
Pyramids & Prisms: Volume and Surface Area · 13

A triangular prism has a triangular base with base 3 and height 7. The prism is 9 long. Find its volume.



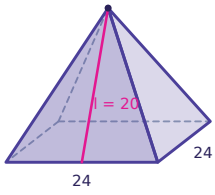
Pyramids & Prisms: Volume and Surface Area · 14

Find the total surface area of the square pyramid. (Find the slant height first.)



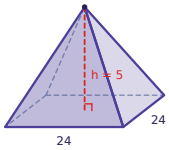
Pyramids & Prisms: Volume and Surface Area · 15

Find the volume of the square pyramid. (Find the height first.)



Pyramids & Prisms: Volume and Surface Area · 16

Find the total surface area of the square pyramid. (Find the slant height first.)



Pyramids & Prisms: Volume and Surface Area · 10

ANSWER

3

Pyramids & Prisms: Volume and Surface Area · 9

ANSWER

64

Pyramids & Prisms: Volume and Surface Area · 12

ANSWER

15

Pyramids & Prisms: Volume and Surface Area · 11

ANSWER

96

Pyramids & Prisms: Volume and Surface Area · 14

ANSWER

96

Pyramids & Prisms: Volume and Surface Area · 13

ANSWER

94.5

Pyramids & Prisms: Volume and Surface Area · 16

ANSWER

1200

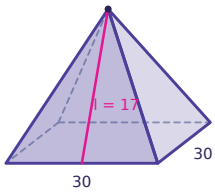
Pyramids & Prisms: Volume and Surface Area · 15

ANSWER

3072

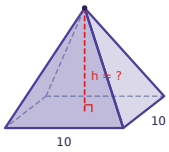
Pyramids & Prisms: Volume and Surface Area · 17

Find the volume of the square pyramid. (Find the height first.)



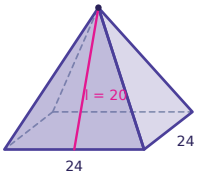
Pyramids & Prisms: Volume and Surface Area · 18

A square pyramid has a base edge of 10 and a volume of 500. Find its height.



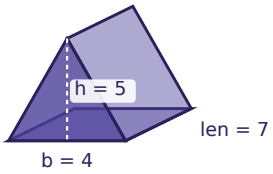
Pyramids & Prisms: Volume and Surface Area · 19

Find the total surface area of the square pyramid.



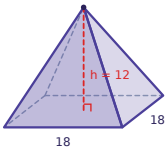
Pyramids & Prisms: Volume and Surface Area · 20

A triangular prism has a triangular base with base 4 and height 5. The prism is 7 long. Find its volume.



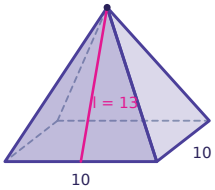
Pyramids & Prisms: Volume and Surface Area · 21

Find the total surface area of the square pyramid. (Find the slant height first.)



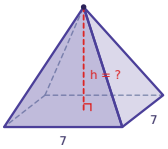
Pyramids & Prisms: Volume and Surface Area · 22

Find the volume of the square pyramid. (Find the height first.)



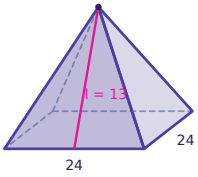
Pyramids & Prisms: Volume and Surface Area · 23

A square pyramid has a base edge of 7 and a volume of 196. Find its height.



Pyramids & Prisms: Volume and Surface Area · 24

Find the total surface area of the square pyramid.



Pyramids & Prisms: Volume and Surface Area · 18

ANSWER

15

Pyramids & Prisms: Volume and Surface Area · 17

ANSWER

2400

Pyramids & Prisms: Volume and Surface Area · 20

ANSWER

70

Pyramids & Prisms: Volume and Surface Area · 19

ANSWER

1536

Pyramids & Prisms: Volume and Surface Area · 22

ANSWER

400

Pyramids & Prisms: Volume and Surface Area · 21

ANSWER

864

Pyramids & Prisms: Volume and Surface Area · 24

ANSWER

1200

Pyramids & Prisms: Volume and Surface Area · 23

ANSWER

12