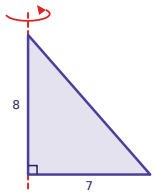
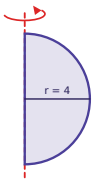
Solids of Revolution · 1

A right triangle with legs 7 and 8 is rotated about the leg of length 8. Find the volume of the solid to the nearest tenth.



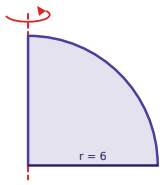
Solids of Revolution · 2

A semicircle with radius 4 is rotated about its diameter. Find the volume of the solid to the nearest tenth.



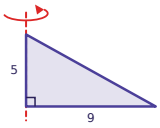
Solids of Revolution · 3

A quarter circle with radius 6 is rotated about one of its straight edges. Find the volume of the solid in terms of π.



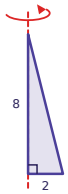
Solids of Revolution · 4

A right triangle with legs 9 and 5 is rotated about the leg of length 5. Find the volume of the solid in terms of π.



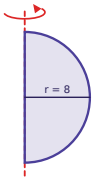
Solids of Revolution · 5

A right triangle with legs 2 and 8 is rotated about the leg of length 8. Find the volume of the solid to the nearest tenth.



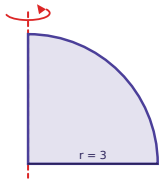
Solids of Revolution · 6

A semicircle with radius 8 is rotated about its diameter. Find the volume of the solid to the nearest tenth.



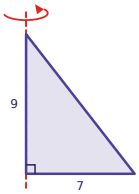
Solids of Revolution · 7

A quarter circle with radius 3 is rotated about one of its straight edges. Find the volume of the solid in terms of π.



Solids of Revolution · 8

A right triangle with legs 7 and 9 is rotated about the leg of length 9. Find the volume of the solid in terms of π.



Solids of Revolution · 2

ANSWER

268.1

Solids of Revolution · 1

ANSWER

410.5

Solids of Revolution · 4

ANSWER

135π

Solids of Revolution · 3

ANSWER

144π

Solids of Revolution · 6

ANSWER

2144.7

Solids of Revolution · 5

ANSWER

33.5

Solids of Revolution · 8

ANSWER

147π

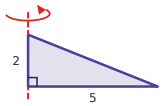
Solids of Revolution · 7

ANSWER

18π

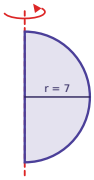
Solids of Revolution · 9

A right triangle with legs 5 and 2 is rotated about the leg of length 2. Find the volume of the solid to the nearest tenth.



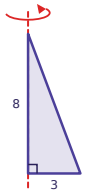
Solids of Revolution · 10

A semicircle with radius 7 is rotated about its diameter. Find the volume of the solid to the nearest tenth.



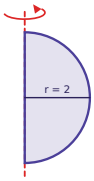
Solids of Revolution · 11

A right triangle with legs 3 and 8 is rotated about the leg of length 8. Find the volume of the solid in terms of π.



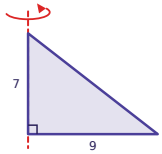
Solids of Revolution · 12

A semicircle with radius 2 is rotated about its diameter. Find the volume of the solid to the nearest tenth.



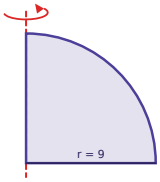
Solids of Revolution · 13

A right triangle with legs 9 and 7 is rotated about the leg of length 7. Find the volume of the solid in terms of π.



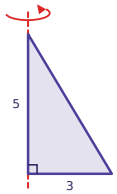
Solids of Revolution · 14

A quarter circle with radius 9 is rotated about one of its straight edges. Find the volume of the solid in terms of π.



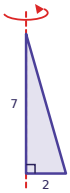
Solids of Revolution · 15

A right triangle with legs 3 and 5 is rotated about the leg of length 5. Find the volume of the solid in terms of π.



Solids of Revolution · 16

A right triangle with legs 2 and 7 is rotated about the leg of length 7. Find the volume of the solid to the nearest tenth.



Solids of Revolution · 10

ANSWER

1436.8

Solids of Revolution · 9

ANSWER

52.4

Solids of Revolution · 12

ANSWER

33.5

Solids of Revolution · 11

ANSWER

24π

Solids of Revolution · 14

ANSWER

486π

Solids of Revolution · 13

ANSWER

189π

Solids of Revolution · 16

ANSWER

29.3

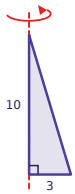
Solids of Revolution · 15

ANSWER

15π

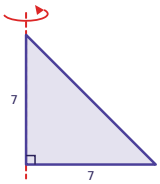
Solids of Revolution · 17

A right triangle with legs 3 and 10 is rotated about the leg of length 10. Find the volume of the solid in terms of π.



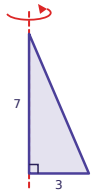
Solids of Revolution · 18

A right triangle with legs 7 and 7 is rotated about the leg of length 7. Find the volume of the solid to the nearest tenth.



Solids of Revolution · 19

A right triangle with legs 3 and 7 is rotated about the leg of length 7. Find the volume of the solid in terms of π.



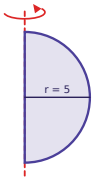
Solids of Revolution · 20

A right triangle with legs 2 and 10 is rotated about the leg of length 10. Find the volume of the solid to the nearest tenth.



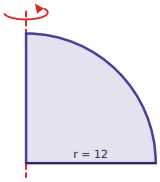
Solids of Revolution · 21

A semicircle with radius 5 is rotated about its diameter. Find the volume of the solid to the nearest tenth.



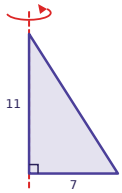
Solids of Revolution · 22

A quarter circle with radius 12 is rotated about one of its straight edges. Find the volume of the solid in terms of π.



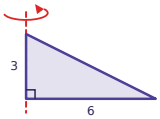
Solids of Revolution · 23

A right triangle with legs 7 and 11 is rotated about the leg of length 11. Find the volume of the solid to the nearest tenth.



Solids of Revolution · 24

A right triangle with legs 6 and 3 is rotated about the leg of length 3. Find the volume of the solid in terms of π.



Solids of Revolution · 18

ANSWER

359.2

Solids of Revolution · 17

ANSWER

30π

Solids of Revolution · 20

ANSWER

41.9

Solids of Revolution · 19

ANSWER

21π

Solids of Revolution · 22

ANSWER

1152π

Solids of Revolution · 21

ANSWER

523.6

Solids of Revolution · 24

ANSWER

36π

Solids of Revolution · 23

ANSWER

564.4