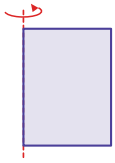
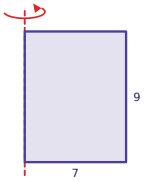
Solids of Revolution · 1

A rectangle is rotated all the way around one of its sides. What solid is formed?



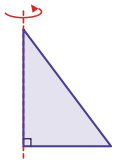
Solids of Revolution · 2

A 7 by 9 rectangle is rotated about its side of length 9. Find the volume of the solid in terms of π.



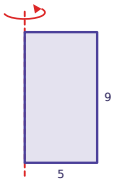

Solids of Revolution · 3

A right triangle is rotated all the way around one of its legs. What solid is formed?



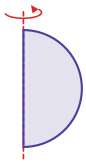
Solids of Revolution · 4

A 5 by 9 rectangle is rotated about its side of length 9. What is the radius of the cylinder formed?



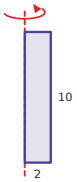

Solids of Revolution · 5

A semicircle is rotated all the way around its diameter. What solid is formed?



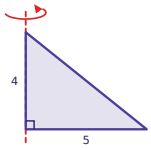
Solids of Revolution · 6

A 2 by 10 rectangle is rotated about its side of length 10. Find the volume of the solid in terms of π.



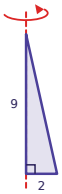

Solids of Revolution · 7

A right triangle with legs 5 and 4 is rotated about the leg of length 4. What is the height of the cone formed?




Solids of Revolution · 8

A right triangle with legs 2 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**

**441π**

Solids of Revolution · 1

**ANSWER**

**cylinder**

Solids of Revolution · 4

**ANSWER**

**5**

Solids of Revolution · 3

**ANSWER**

**cone**

Solids of Revolution · 6

**ANSWER**

**40π**

Solids of Revolution · 5

**ANSWER**

**sphere**

Solids of Revolution · 8

**ANSWER**

**12π**

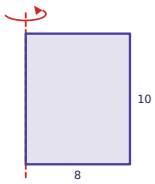
Solids of Revolution · 7

**ANSWER**

**4**

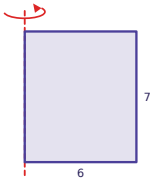
Solids of Revolution · 9

A 8 by 10 rectangle is rotated about its side of length 10. Find the volume of the solid in terms of π.



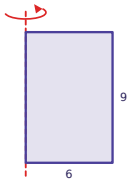

Solids of Revolution · 10

A 6 by 7 rectangle is rotated about its side of length 7. What is the radius of the cylinder formed?



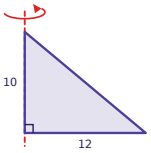

Solids of Revolution · 11

A 6 by 9 rectangle is rotated about its side of length 9. Find the volume of the solid in terms of π.



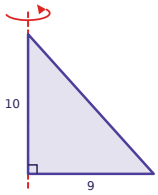

Solids of Revolution · 12

A right triangle with legs 12 and 10 is rotated about the leg of length 10. What is the height of the cone formed?



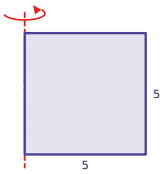

Solids of Revolution · 13

A right triangle with legs 9 and 10 is rotated about the leg of length 10. Find the volume of the solid in terms of π.



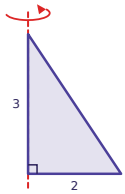

Solids of Revolution · 14

A 5 by 5 rectangle is rotated about its side of length 5. Find the volume of the solid in terms of π.



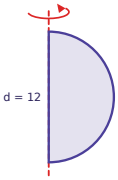

Solids of Revolution · 15

A right triangle with legs 2 and 3 is rotated about the leg of length 3. Find the volume of the solid in terms of π.




Solids of Revolution · 16

A semicircle with diameter 12 is rotated about its diameter. Find the volume of the solid in terms of π.



Solids of Revolution · 10

**ANSWER**

**6**

Solids of Revolution · 9

**ANSWER**

**640π**

Solids of Revolution · 12

**ANSWER**

**10**

Solids of Revolution · 11

**ANSWER**

**324π**

Solids of Revolution · 14

**ANSWER**

**125π**

Solids of Revolution · 13

**ANSWER**

**270π**

Solids of Revolution · 16

**ANSWER**

**288π**

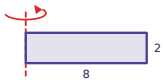
Solids of Revolution · 15

**ANSWER**

**4π**

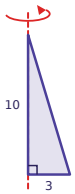
Solids of Revolution · 17

A 8 by 2 rectangle is rotated about its side of length 2. Find the volume of the solid in terms of π.



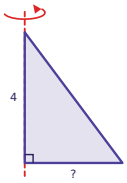

Solids of Revolution · 18

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.



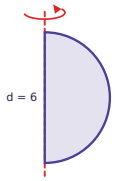

Solids of Revolution · 19

A right triangle is rotated about its leg of length 4, making a cone with volume 12π. How long is the other leg?



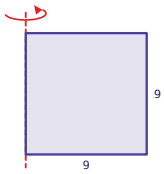

Solids of Revolution · 20

A semicircle with diameter 6 is rotated about its diameter. Find the volume of the solid in terms of π.



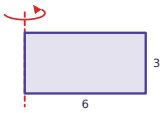

Solids of Revolution · 21

A 9 by 9 rectangle is rotated about its side of length 9. Find the volume of the solid in terms of π.



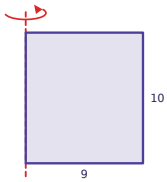

Solids of Revolution · 22

A 6 by 3 rectangle is rotated about its side of length 3. What is the radius of the cylinder formed?



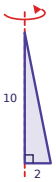

Solids of Revolution · 23

A 9 by 10 rectangle is rotated about its side of length 10. Find the volume of the solid in terms of π.




Solids of Revolution · 24

A right triangle with legs 2 and 10 is rotated about the leg of length 10. What is the height of the cone formed?



Solids of Revolution · 18

**ANSWER**

**30π**

Solids of Revolution · 17

**ANSWER**

**128π**

Solids of Revolution · 20

**ANSWER**

**36π**

Solids of Revolution · 19

**ANSWER**

**3**

Solids of Revolution · 22

**ANSWER**

**6**

Solids of Revolution · 21

**ANSWER**

**729π**

Solids of Revolution · 24

**ANSWER**

**10**

Solids of Revolution · 23

**ANSWER**

**810π**