

## mobius

## Surface Area - Cone - Words to Pi Value

Z	111
G	
one with	radius 2

1	What is the surface area of this shape?	A Cone with radius 5 and a height of 3	2	What is the surface area of this shape?	A Cone with radius 2 and a height of 3
A		В	A		В
SA =	$\pi\cdot 3\cdot (3+\sqrt{5^2+3^2})$	$SA=\pi\cdot 5\cdot (5+\sqrt{3^2+5^2})$	SA =	$=\pi\cdot 3\cdot (3+\sqrt{2^2+3^2})$	$SA=\pi\cdot 2\cdot (2+\sqrt{3^2+2^2})$
3	What is the surface area of this shape?	A Cone with radius 4 and a height of 3	4	What is the surface area of this shape?	A Cone with radius 3 and a height of 5
A		В	A		В
SA =	$\pi\cdot 4\cdot (4+\sqrt{3^2+4^2})$	SA = 2 cdot 4 + 2 cdot sqrt((fine(4)(2)))*2 + 3*2) + 4 cdot sqrt((fine(2)(2)))*2 + 3*2)	SA =	$=\pi\cdot 3\cdot (3+\sqrt{5^2+3^2})$	$SA=\pi\cdot 5\cdot (5+\sqrt{3^2+5^2})$
5	What is the surface area of this shape?	A Cone with radius 5 and a height of 4	6	What is the surface area of this shape?	A Cone with radius 2 and a height of 5
Α		В	A		В
SA =	$\pi\cdot 4\cdot (4+\sqrt{5^2+4^2})$	$SA=\pi\cdot 5\cdot (5+\sqrt{4^2+5^2})$	SA =	$\pi\cdot 2\cdot (2+\sqrt{5^2+2^2})$	$SA=\pi\cdot 5\cdot (5+\sqrt{2^2+5^2})$
7	What is the surface area of this shape?	A Cone with radius 5 and a height of 2	8	What is the surface area of this shape?	A Cone with radius 3 and a height of 4
A	- F (F + \sqrt{22 + F2})	B	A C	1 — 1 <del>- 1 - 2</del> 2 - 3 - 2 - 2 - 2	B $SA=\pi\cdot 3\cdot (3+\sqrt{4^2+3^2})$
SA =	$(3 + \sqrt{2^2 + 3^2})$	$BA = \pi \cdot 2 \cdot (2 + \sqrt{5^2 + 2^2})$		1 — <del>T</del> N · J	$BA = \pi \cdot 3 \cdot (3 + \sqrt{4^2 + 3^2})$