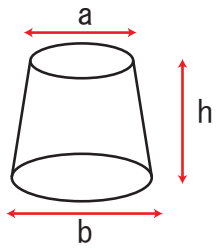
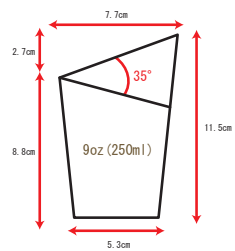
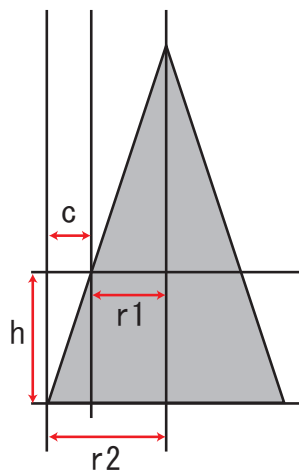


円錐台の展開図を求める。

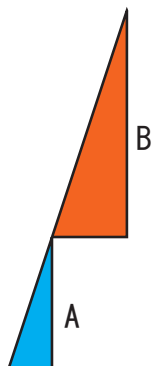
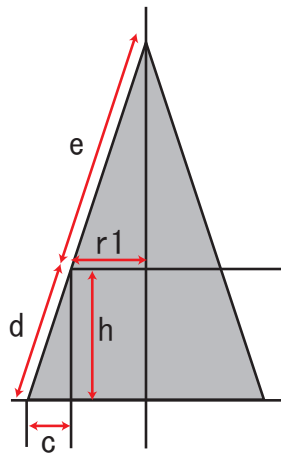
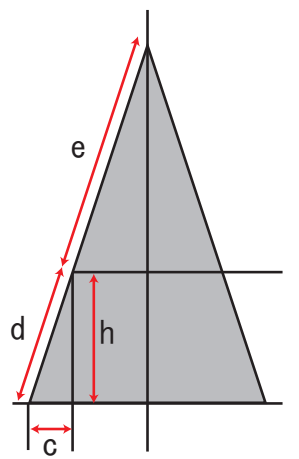


$a=2*r1$
 $b=2*r2$
 $a=5.3$
 $b=7.7$
 $h=11.5$

$r1=2.65$
 $r2=3.85$
 $c=r2-r1$
 $c=1.2$



$d=\sqrt{(h^2+c^2)}$
 $d=\sqrt{(132.25+1.44)}$
 $d=11.56$



A と B は相似。

$d:e = c:r1$
 $c*e = d*r1$
 $e = (d*r1)/c$
 $e = (11.56*2.65)/1.2$
 $e = 25.53$

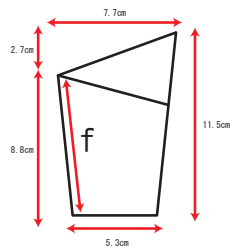
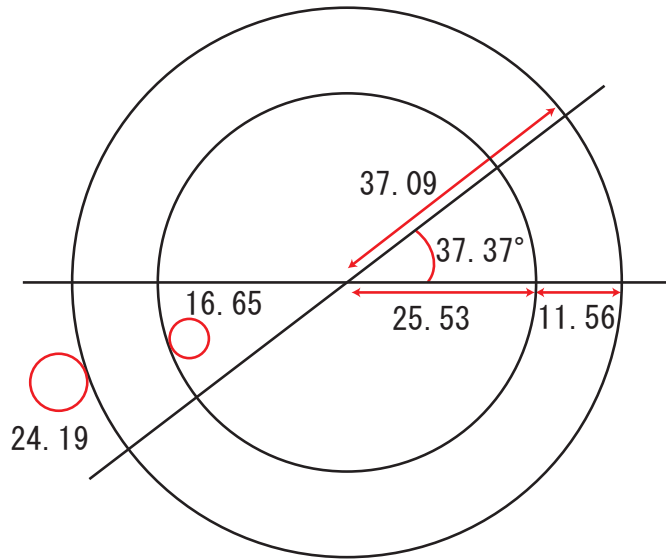
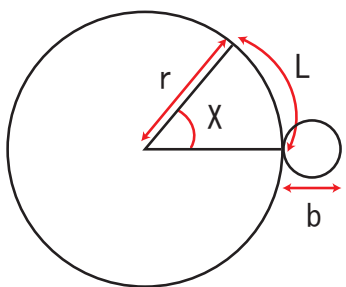
扇形の中心角 (X) を求める。

$X=(180*L)/(\pi r)$
 $X=(180*7.7\pi)/(37.09\pi)$
 $X=(180*24.19)/(116.52)$
 $X=37.37$

別の方法 (扇形の中心角 (X) を求める。)

$X:360 = b\pi : 2r\pi$
 $X:360 = 24.19:233.04$
 $X = (24.19*360)/233.04$
 $X = 37.37$

$r=d+e$ $r=37.09$



楕円面を求める。

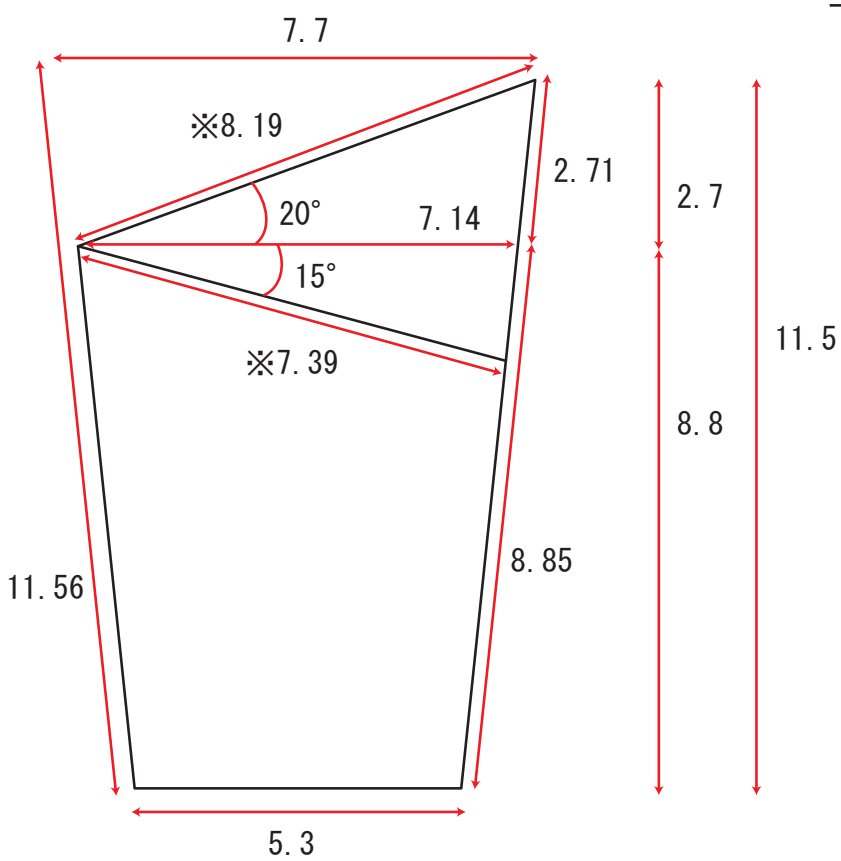
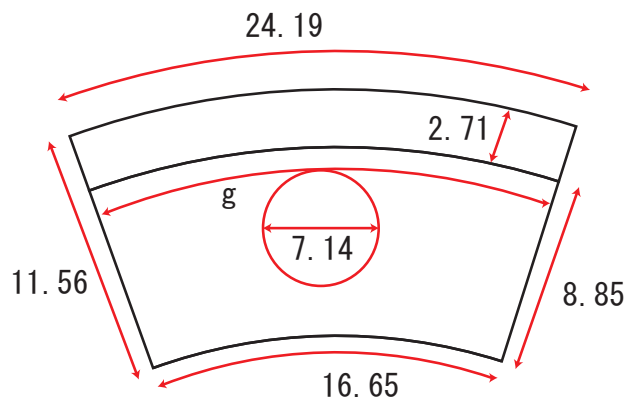
$h2=8.8$

$d:f = h:h2$
 $11.56:f = 11.5:8.8$
 $f = (11.56*8.8)/11.5$
 $f = 8.85$

$25.53+8.85=34.38$

$25.53:16.65 = 34.38:g$
 $g = (16.65*34.38)/25.53$
 $g = 22.42$

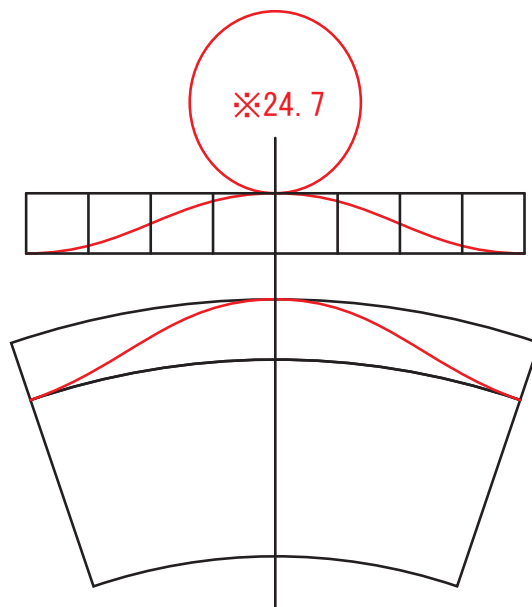
$22.42/\pi=7.14$



斜辺=底辺 /cos θ
=7.14/cos15
=7.39

斜辺=底辺 /cos θ
=7.7/cos20
=8.19

※楕円面は、およそ
※(傾斜部分と蓋部分)



展開図