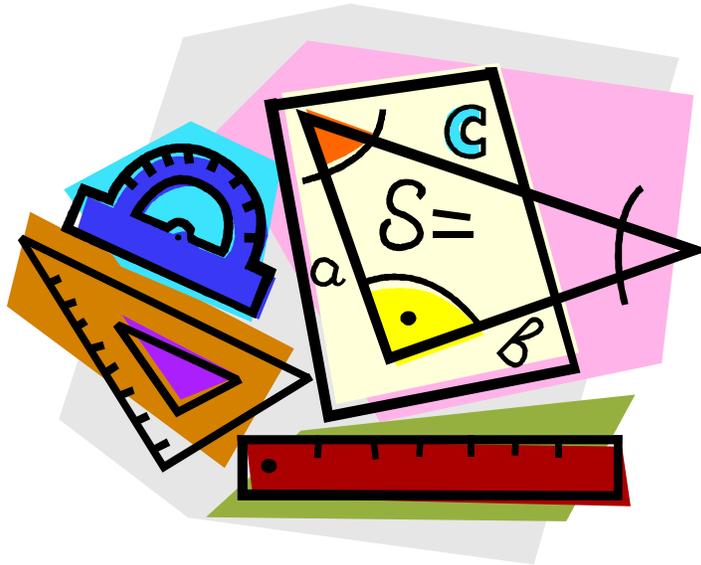


Surface Area and Volume



Prism

Surface Area = $2B + ph$

B = area of the base

p = perimeter

h = height (the distance between the bases)

Volume = Bh

B = area of base

h = height (the distance between the bases)

Cylinder

Surface Area = $2B + Ch$

B = area of the base = πr^2

C = circumference = $2\pi r$

h = height (the distance between the bases)

Volume = Bh

B = area of the base = πr^2

h = height (the distance between the bases)

Pyramid

Surface area = $B + \frac{1}{2}pl$

B = area of the base

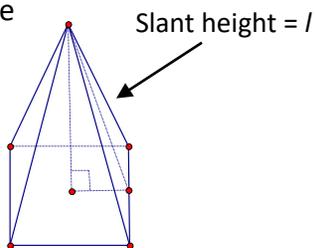
p = perimeter

l = slant height

Volume = $\frac{1}{3}Bh$

B = area of base

h = height



Cone

Surface area = $\pi r^2 + \pi rl$

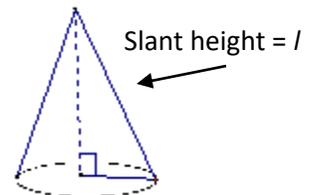
r = radius

l = slant height

Volume = $\frac{1}{3}\pi r^2 h$

r = radius

h = height of the cone (forms a right angle with the base)



Sphere

Surface area = $4\pi r^2$

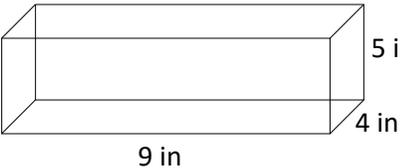
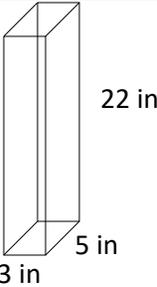
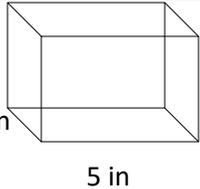
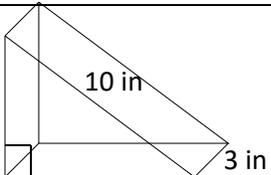
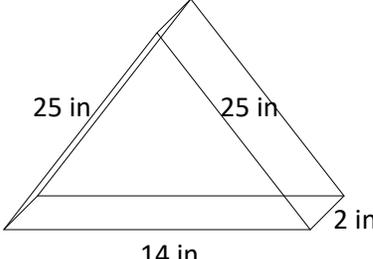
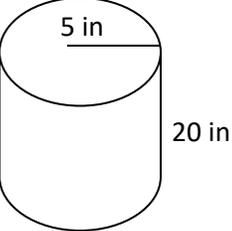
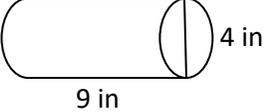
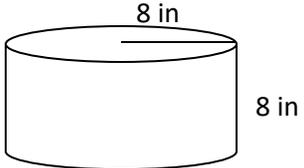
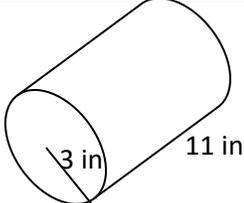
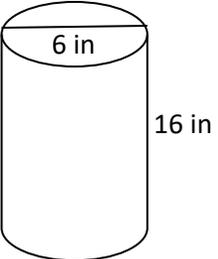
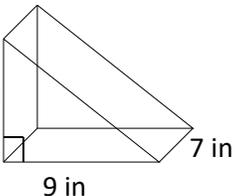
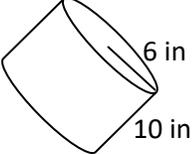
r = radius

Volume = $\frac{4}{3}\pi r^3$

r = radius

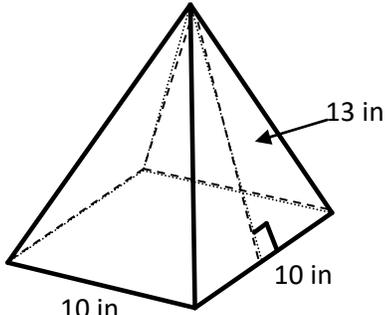
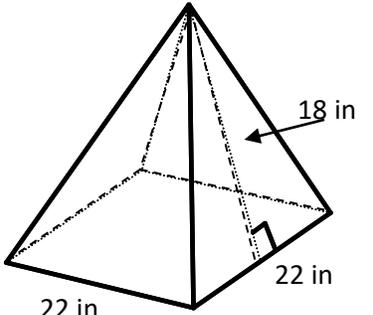
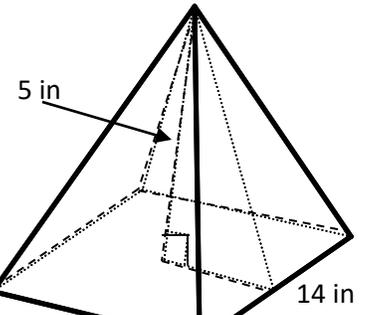
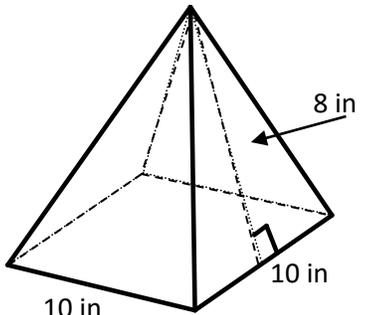
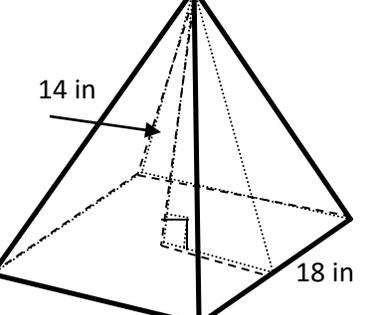
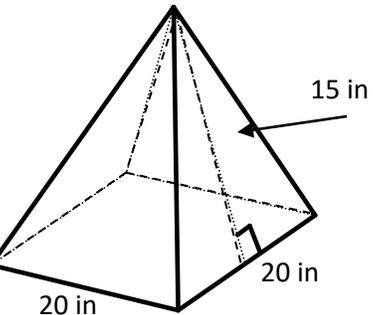
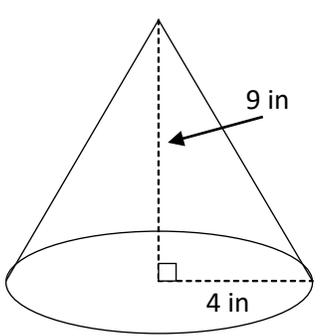
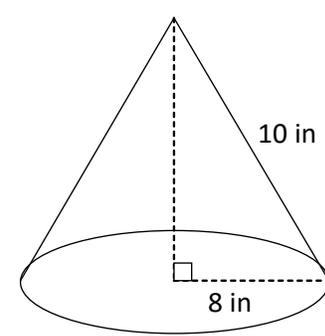
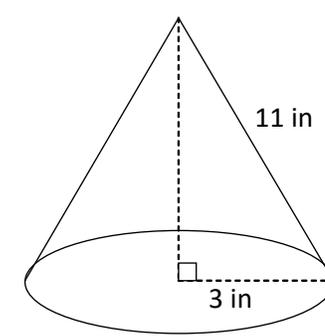
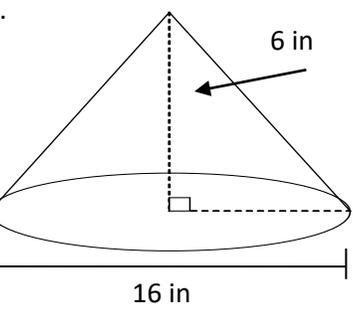
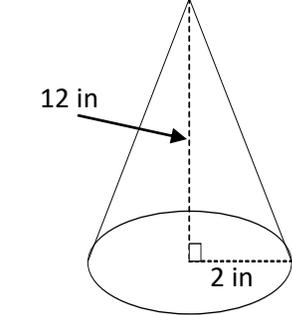
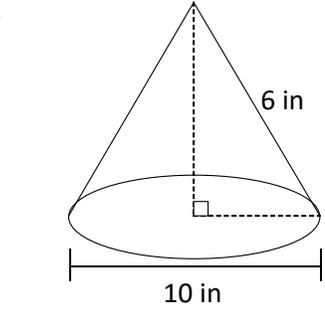
Surface Area and volume of Prism and cylinder

Find the surface area and volume of each prism and cylinder. Show all work!

<p>1.</p>  <p>SA= V=</p>	<p>2.</p>  <p>SA= V=</p>	<p>3.</p>  <p>SA= V=</p>
<p>4.</p>  <p>SA= V=</p>	<p>5.</p>  <p>SA= V=</p>	<p>6.</p>  <p>SA= V=</p>
<p>7.</p>  <p>SA= V=</p>	<p>8.</p>  <p>SA= V=</p>	<p>9.</p>  <p>SA= V=</p>
<p>10.</p>  <p>SA= V=</p>	<p>11.</p>  <p>SA= V=</p>	<p>12.</p>  <p>SA= V=</p>

Surface Area and volume of Pyramid and cone

Find the surface area and volume of each pyramid and cone. Show all work!

<p>1.</p>  <p>SA= V=</p>	<p>2.</p>  <p>SA= V=</p>	<p>3.</p>  <p>SA= V=</p>
<p>4.</p>  <p>SA= V=</p>	<p>5.</p>  <p>SA= V=</p>	<p>6.</p>  <p>SA= V=</p>
<p>7.</p>  <p>SA= V=</p>	<p>8.</p>  <p>SA= V=</p>	<p>9.</p>  <p>SA= V=</p>
<p>10.</p>  <p>SA= V=</p>	<p>11.</p>  <p>SA= V=</p>	<p>12.</p>  <p>SA= V=</p>

