Volume of a Cone

Formula for volume of a cone:

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

Where *B* = area of the base and *h* is the height of the cone

![C:\Documents and Settings\lrice\Local Settings\Temporary Internet Files\Content.IE5\EAZ7AITT\MC900048284[1].wmf]()

Find the volume of each cone. Round all answers to the nearest hundredth. (Images taken from Holt Middle School Math Course 3).

|  |  |
| --- | --- |
|  |  |
| http://go.hrw.com/jupiter/images/math/msm/hh/course3/3_06_07_11.gif | What would be the volume of a cone with a diameter of 10 in and a height of 50 in? |

**Volume of a Pyramid**

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**Ex 1 Find the volume of the pyramid.**









Volume of a Sphere



Formula for volume of a sphere:

$$V=\frac{4}{3}πr^{3}$$

Where *r* is the radius of the sphere.

Find the volume of each sphere. Round all answers to the nearest hundredth.

|  |  |
| --- | --- |
| 5 cm | 14 in |
|  2.5 cm | What would be the volume of a sphere with a diameter of 13 cm? |