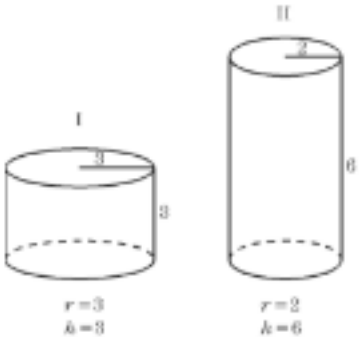
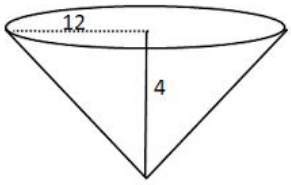
Name: _____

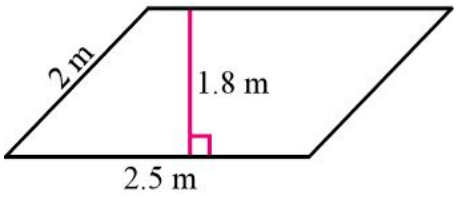
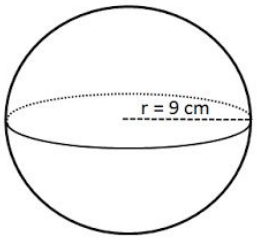
## Homework – Monday (March 25, 2019)

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

| | |
|---|---|
| 1. Which of the figures has a greater volume? Explain.<br>  | 2. Find the volume of the cone.<br>  |
| 3. If the length of the radius of a sphere is multiplied by 4, what is the effect on the volume? | 4. If a cylinder and a cone each have a radius of 10 inches and a height of 15 inches, which has more volume? |

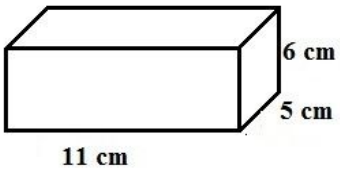
## Homework- Tuesday (March 26, 2019)

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

| | |
|---|---|
| 1. Solve for m.<br><br>$m + 3m + 1 = 41$ | 2. Find the area.<br>  |
| 3. At a Frozen Yogurt Shop, you can get an ice cream cone with a base of a diameter of 4 inches and 7 inches in height. How much ice cream does it take to fill the cone? | 4. Find the volume.<br>  |

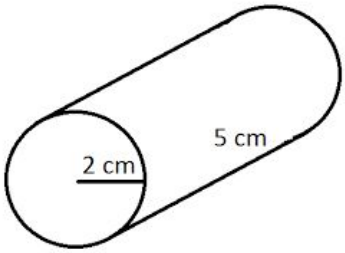
**Homework - Wednesday (March 27, 2019)**

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

| | |
|---|---|
| 1. A can of chili has a base diameter of 8 inches and a height of 10 inches. What is the volume of the can? | 2. Solve for y.<br><br>$\frac{y}{7} - 5 = -4$ |
| 3. A tennis ball has a diameter of 40 m. Find the circumference of the tennis ball in terms of pi. | 4. What is the volume of the rectangular prism?<br><br>  |

**Homework - Thursday (March 28, 2019)**

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

| | |
|---|---|
| 1. A sphere and a cone have a radius of 3cm and a height of 6cm. Which shape has the greatest volume? | 2. The diameter of a circle is 6 cm. What is the area of the circle in terms of pi? |
| 3. Find the volume.<br><br>  | 4. Solve for c.<br><br>$3(c - 2) = -9$ |