Answers must be clearly **legible**, **simplified** and **boxed** or **circled**. Where possible, give an **exact** answer. **Units** required.

1)   Convert <u>350</u> ft/sec to mi/hr and <u>round to a whole number</u>.

2)   Convert 1.5×10^7 gpm to cfs and <u>round to a whole number</u>.

3)   Convert 700.5cm to _____ft _____ $\overline{16}$ in.

4)   Convert 27000 cc to gal and <u>round to a whole number</u>.

5)   Convert 10' 5 $\frac{3}{8}$" to cm.

6)   Convert 320,000 sq-in to sq-yds and <u>round to a whole number</u>.

7) Convert 152.0 L to cubic inches.

8) Convert 750 mph to fps and <u>round to a whole number</u>.

9) Convert 50,000 cu-in to cu-ft.

10) Convert 93 million miles to km and write in scientific notation with <u>2 significant digits</u>.

BONUS

Using R = 7' 5", r = 5' 9" and H = 4' 6" compute V <u>to the nearest cu-ft</u>. $V = \dfrac{\pi H}{3}(R^2 + Rr + r^2)$