

EXAM 4**Applied Math MA39**

- b. A rectangle whose length is 5.3 cm and whose width is 2.5 cm.
- c. A triangle with sides that measure $2\frac{1}{2}$ ft., 20 in., and $\frac{1}{2}$ yd. Answer in inches.
- d. A rectangle whose dimensions are $8\frac{1}{2}$ in. $\times$ $3\frac{3}{4}$ in.
10. Find the circumference of a circle:
- a. whose radius is $3\frac{1}{2}$ in. (Use $\pi = \frac{22}{7}$.)
- b. whose diameter is 3.6 cm. (Use $\pi = 3.14$.)
11. Find the area of each of the following figures. Round off answers to the nearest *whole unit*.
- a. A rectangle 24 in. $\times$ 35 in.
- b. A triangle whose base is $\frac{4}{5}$ m and whose height is 88 cm. Answer in square centimeters.
- c. A square whose side is 5.4 mm.
- d. A rectangular field $\frac{1}{2}$ mile wide by $1\frac{1}{2}$ miles long. Answer in acres.
- e. A triangle that has a base of 28 in. and a height of .75 ft. Answer in square inches.
12. Find the area of each circle. Round off answers to the nearest *whole unit*.
- a. A circle with a radius of $4\frac{2}{3}$ ft. (Use $\pi = \frac{22}{7}$.)
- b. A circle with a diameter of 2.5 cm. (Use $\pi = 3.14$.)
13. Find the volume of each of the following solids. Round off your answers to the nearest *whole unit*.
- a. A rectangular solid 18 in. $\times$ 15 in. $\times$ 6 in.
- b. A cube whose side measures $5\frac{1}{8}$ cm. (Hint: In a cube, the length, width, and height are all the same number of units.)
- c. A rectangular solid 9 in. $\times$ 3 ft. $\times$ 8 ft. Answer in cubic feet.
- d. A wooden crate .5 m $\times$ $2\frac{1}{4}$ m $\times$ 150 cm. Answer in cubic meters.