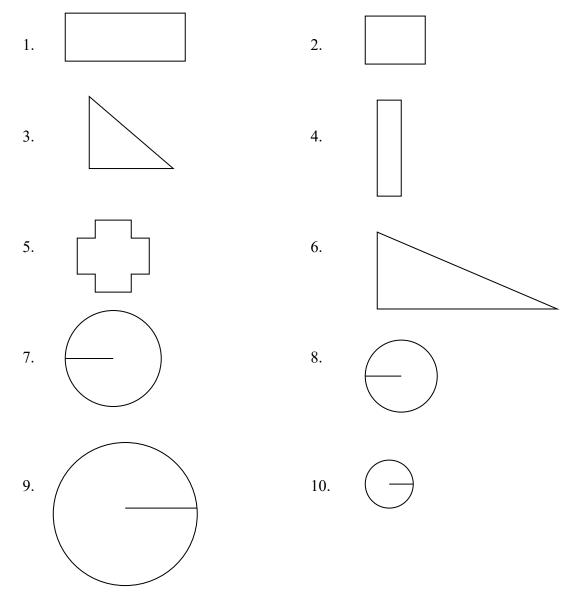# Utility Industry Math Boot Camp
Mathematics Manual

Area: **The area of any flat shape is the space contained within its boundaries and it is measured in square units, i.e., in², ft², cm², etc.**

- Area of a rectangle $=$ length $\times$ width
- Area of a square $=$ side $\times$ side
- Area of a triangle $= \dfrac{1}{2}$ base $\times$ height
- Area of a circle $= \pi r^2$ $\left(r = \text{radius and } \pi \approx \dfrac{22}{7} \text{ or } 3.14 \right)$

A.   Measure the following shapes and then, using the appropriate formulae, find their areas. (answers, page 314)

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.