

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

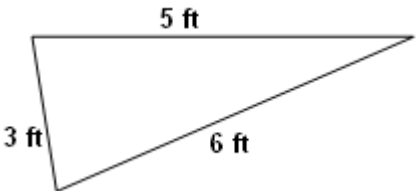
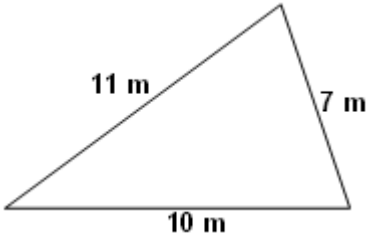
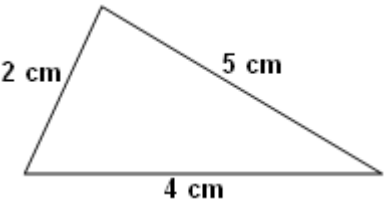
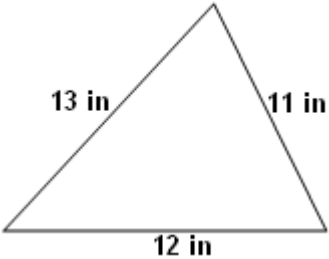
### Heron's Formula Worksheet

$$\text{Area} = \sqrt{s(s-a)(s-b)(s-c)} \text{ sq. units; where } s = \frac{a+b+c}{2}$$

Find the area of scalene triangles to the nearest tenth:

Problems

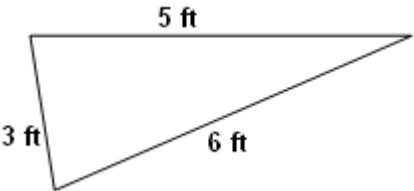
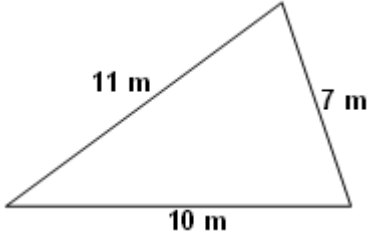
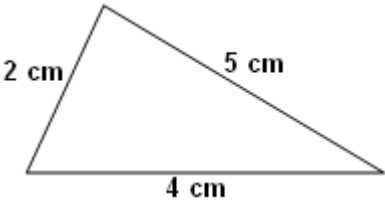
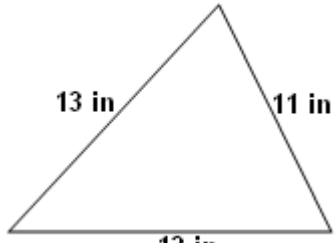
Work Space

|   |             |
|---|-------------|
|  <p>A scalene triangle with side lengths of 5 ft, 3 ft, and 6 ft.</p>      | Area: _____ |
|  <p>A scalene triangle with side lengths of 11 m, 7 m, and 10 m.</p>      | Area: _____ |
|  <p>A scalene triangle with side lengths of 2 cm, 5 cm, and 4 cm.</p>    | Area: _____ |
|  <p>A scalene triangle with side lengths of 13 in, 11 in, and 12 in.</p> | Area: _____ |

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answers**

|   |                           |
|---|---------------------------|
|    | Area: $7.5 \text{ ft}^2$  |
|   | Area: $34.3 \text{ m}^2$  |
|  | Area: $3.8 \text{ cm}^2$  |
|  | Area: $61.5 \text{ in}^2$ |