Area of a Triangle

Formulas

$$K = \frac{1}{2}ab\sin C$$

$$K = \frac{1}{2}bc\sin A$$

$$K = \frac{1}{2}ac\sin B$$

$$K = \sqrt{s(s-a)(s-b)(s-c)}$$

$$where \quad s = \frac{1}{2}(a+b+c)$$

1. Find the area of each triangle
(Similar to p.284 #1-24)

a = 5, b = 8, C = 30°

2. Find the area of each triangle
(Similar to p.284 #1-24)

b = 2, c = 7, A = 25°

3. Find the area of each triangle
(Similar to p.284 #1-24)

a = 8, b = 9, c = 12

4. Find the area of each triangle

A = 30°, a = 8, c = 7