

$$= 2 \sqrt{\frac{(s-b)(s-c)}{bc}} \sqrt{\frac{s(s-a)}{bc}} \dots \text{from (11)}$$

$$= \frac{2}{bc} \sqrt{\{s(s-a)(s-b)(s-c)\}}.$$

Therefore the area

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

TRIANGLES FOR VERIFICATION.

$$a = 16.39, \quad b = 23.962, \quad c = 37.024$$

$$A = 19^\circ 08', \quad B = 28^\circ 38', \quad C = 132^\circ 14'$$

$$a = 325.74, \quad b = 403.58, \quad c = 250.10$$

$$A = 53^\circ 46', \quad B = 87^\circ 58', \quad C = 38^\circ 16'$$

$$a = 209.88, \quad b = 333.33, \quad c = 479.79$$

$$A = 21^\circ 40', \quad B = 35^\circ 54', \quad C = 122^\circ 26'$$

$$a = 7.5316, \quad b = 3.3342, \quad c = 6.6666$$

$$A = 91^\circ 30', \quad B = 26^\circ 16', \quad C = 62^\circ 14'$$

$$a = 4797.9, \quad b = 5432.3, \quad c = 1509$$

$$A = 57^\circ 34', \quad B = 107^\circ 08', \quad C = 15^\circ 18'$$

$$a = 12345, \quad b = 34516, \quad c = 45324$$

$$A = 8^\circ 39', \quad B = 24^\circ 52', \quad C = 146^\circ 29'$$

$$a = 33.45, \quad b = 69.54, \quad c = 62.09$$

$$A = 28^\circ 44', \quad B = 88^\circ 03', \quad C = 63^\circ 10'$$

$$a = 200, \quad b = 235, \quad c = 48.942$$

$$A = 40^\circ, \quad B = 133^\circ 57', \quad C = 9^\circ 03'$$

$$a = 315, \quad b = 227, \quad c = 154$$

$$A = 110^\circ 04', \quad B = 42^\circ 36', \quad C = 27^\circ 20'$$

$$a = 10.1032, \quad b = 15.2003, \quad c = 14.6884$$

$$A = 39^\circ 28', \quad B = 73^\circ, \quad C = 67^\circ 32'$$