

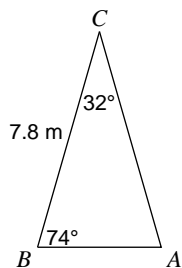
Trigonometry

Extra Practice - Area of Oblique Triangles

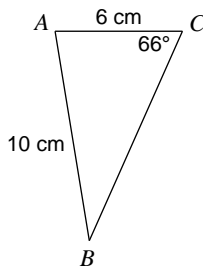
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Find the area of each triangle to the nearest tenth.

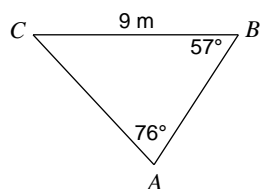
1)



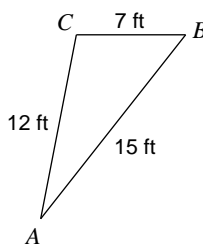
2)



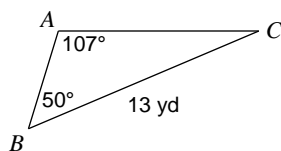
3)



4)



5)



6) $b = 13$ cm, $c = 11$ cm, $a = 5$ cm

7) $m\angle B = 137^\circ$, $a = 5.9$ mi, $m\angle C = 28^\circ$

8) $m\angle C = 137^\circ$, $m\angle A = 24^\circ$, $b = 4$ cm

9) $m\angle C = 62^\circ$, $b = 7$ yd, $a = 10$ yd

10) $a = 9$ mi, $m\angle B = 27^\circ$, $m\angle A = 137^\circ$

11) $a = 4.3$ in, $c = 13$ in, $b = 14$ in

12) $m\angle C = 101^\circ$, $c = 4$ mi, $m\angle A = 56^\circ$

13) $c = 9.2$ ft, $m\angle A = 106^\circ$, $a = 15$ ft

14) $m\angle C = 60^\circ$, $b = 6.9$ in, $a = 4$ in

15) $c = 12.1$ km, $m\angle C = 107^\circ$, $b = 6.6$ km

Answers to Extra Practice - Area of Oblique Triangles

- 1) 16.1 m^2
- 5) 26.4 yd^2
- 9) 30.9 yd^2
- 13) 42.4 ft^2

- 2) 29.6 cm^2
- 6) 26.9 cm^2
- 10) 7.4 mi^2
- 14) 12 in^2

- 3) 25.7 m^2
- 7) 21.5 mi^2
- 11) 27.9 in^2
- 15) 26.5 km^2

- 4) 41.2 ft^2
- 8) 6.8 cm^2
- 12) 2.7 mi^2