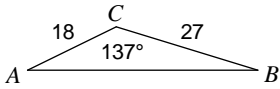


Steve Blades Worksheet

© 2010 Kuta Software LLC. All rights reserved.

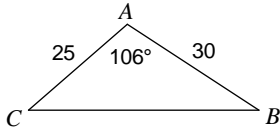
Find each measurement indicated. Round your answers to the nearest tenth.

1) Find AB

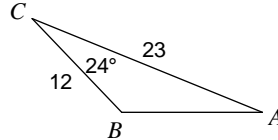


2) $m\angle C = 34^\circ$, $b = 30$, $a = 14$
Find c

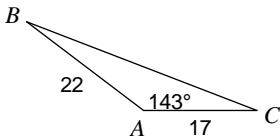
3) Find BC



4) Find AB



5) Find BC

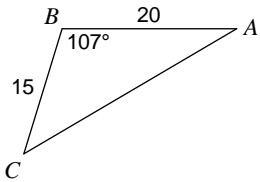


6) $m\angle C = 109^\circ$, $b = 14$, $a = 13$
Find c

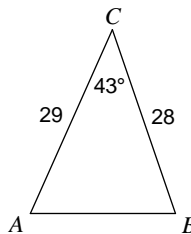
7) $m\angle B = 17^\circ$, $c = 18$, $a = 28$
Find b

8) $m\angle B = 89^\circ$, $c = 12$, $a = 21$
Find b

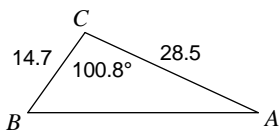
9) Find AC



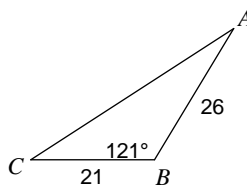
10) Find AB



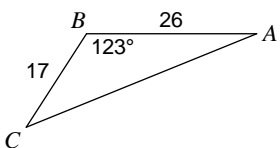
11) Find AB



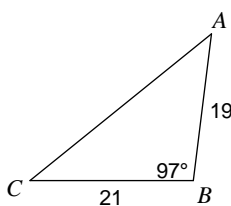
12) Find AC



13) Find AC

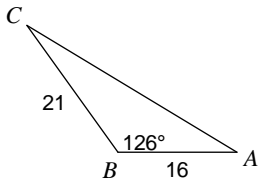


14) Find $m\angle C$



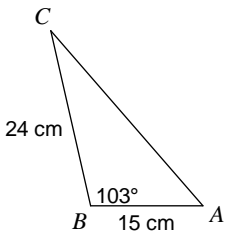
- 15) $m\angle B = 78^\circ$, $a = 24$, $c = 22$
Find $m\angle C$

- 17) Find $m\angle C$

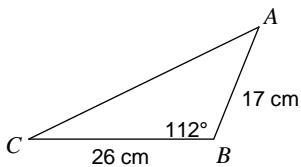


- 19) $b = 12$, $m\angle C = 121^\circ$, $a = 11$
Find $m\angle A$

- 21) Find $m\angle C$

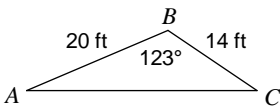


- 23) Find $m\angle C$



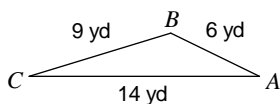
- 25) $a = 17$ in, $b = 15$ in, $m\angle C = 77^\circ$
Find $m\angle A$

- 27) Find $m\angle C$

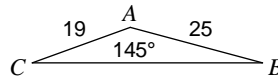


- 29) $m\angle A = 98^\circ$, $b = 25$ in, $c = 24$ in
Find $m\angle B$

- 31) Find $m\angle A$

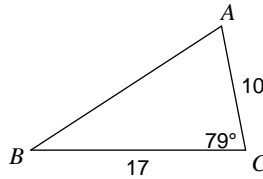


- 16) Find $m\angle B$



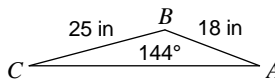
- 18) $c = 30$, $m\angle A = 87^\circ$, $b = 25$
Find $m\angle B$

- 20) Find AB



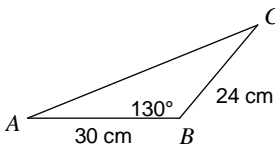
- 22) $a = 10$ in, $b = 17$ in, $m\angle C = 106^\circ$
Find $m\angle A$

- 24) Find $m\angle C$



- 26) $m\angle C = 17^\circ$, $b = 9$ mi, $a = 14$ mi
Find $m\angle A$

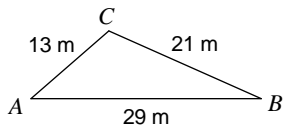
- 28) Find $m\angle C$



- 30) $b = 26$ mi, $c = 17$ mi, $m\angle A = 123^\circ$
Find $m\angle B$

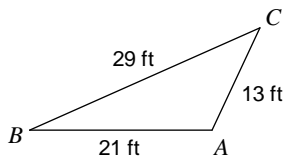
- 32) $a = 18$ m, $c = 28$ m, $b = 12$ m
Find $m\angle C$

33) Find $m\angle A$



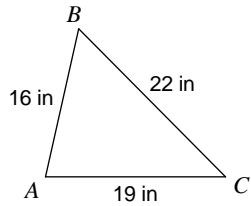
34) $c = 17$ m, $b = 18$ m, $a = 30$ m
Find $m\angle A$

35) Find $m\angle C$

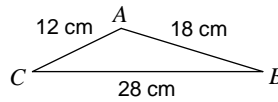


36) $c = 29$ cm, $a = 21$ cm, $b = 13$ cm
Find $m\angle C$

37) Find $m\angle C$



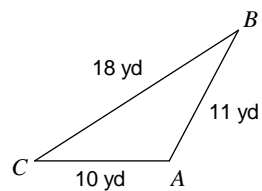
38) Find $m\angle B$



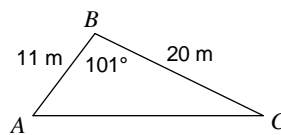
39) $b = 21.8$ km, $c = 12.1$ km, $a = 28.7$ km
Find $m\angle C$

40) $b = 24$ mi, $a = 15$ mi, $c = 14$ mi
Find $m\angle B$

41) Find $m\angle B$



42) Find $m\angle C$



43) $c = 14$ ft, $m\angle B = 100^\circ$, $a = 29$ ft
Find $m\angle C$

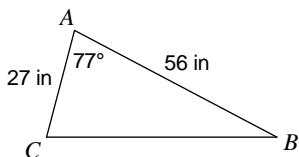
44) $c = 26$ m, $a = 16$ m, $b = 17$ m
Find $m\angle B$

Solve each triangle. Round your answers to the nearest tenth.

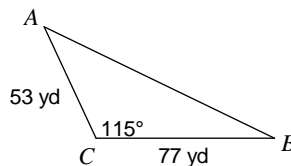
45) $c = 7$ mi, $a = 12$ mi, $b = 6$ mi

46) $a = 16$ in, $b = 30$ in, $c = 23$ in

47)



48)



49) $m\angle B = 73^\circ$, $c = 37$ km, $a = 74$ km

50) $a = 51$ yd, $c = 68$ yd, $m\angle B = 137^\circ$

Answers to Steve Blades Worksheet

- | | | | |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------|-------------------|
| 1) 42 | 2) 20 | 3) 44 | 4) 13 |
| 5) 37 | 6) 22 | 7) 12 | 8) 24 |
| 9) 28.3 | 10) 20.9 | 11) 34.4 | 12) 41 |
| 13) 38 | 14) 39° | 15) 48° | 16) 15° |
| 17) 23° | 18) 41° | 19) 28° | 20) 18 |
| 21) 28° | 22) 26° | 23) 26° | 24) 15° |
| 25) 56° | 26) 137° | 27) 34° | 28) 28° |
| 29) 42° | 30) 35° | 31) 26° | 32) 137° |
| 33) 41° | 34) 118° | 35) 41° | 36) 115° |
| 37) 45.2° | 38) 17° | 39) 22.9° | 40) 111.7° |
| 41) 29.4° | 42) 26.1° | 43) 23.6° | 44) 39.4° |
| 45) $m\angle A = 134.7^\circ$, $m\angle B = 20.8^\circ$, $m\angle C = 24.5^\circ$ | 46) $m\angle A = 31.8^\circ$, $m\angle B = 99^\circ$, $m\angle C = 49.2^\circ$ | | |
| 47) $m\angle B = 27.7^\circ$, $m\angle C = 75.3^\circ$, $a = 56.4$ in | 48) $m\angle A = 39.2^\circ$, $m\angle B = 25.8^\circ$, $c = 110.4$ yd | | |
| 49) $m\angle C = 29.2^\circ$, $m\angle A = 77.8^\circ$, $b = 72.4$ km | 50) $m\angle C = 24.7^\circ$, $m\angle A = 18.3^\circ$, $b = 110.9$ yd | | |