

Worksheet

08/28/2018

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Problem quickname: 3913

1)

Draw a triangle with the given dimensions. Measure the size of angles α , β and γ .
Measure the lengths of the sides a , b and c .

- a) $\beta = 72$ degrees, $a = 3.8$ cm, $\gamma = 45$ degrees
- b) $\beta = 46$ degrees, $a = 8.7$ cm, $\gamma = 18$ degrees
- c) $\alpha = 75$ degrees, $c = 3$ cm, $\beta = 52$ degrees
- d) $a = 7$ cm, $b = 4$ cm, $c = 5$ cm

2)

Draw a triangle with the given dimensions. Measure the lengths of the sides a , b and c .

- a) $a = 12.9$ cm, $b = 8$ cm, $c = 7$ cm
- b) $a = 11.3$ cm, $b = 6$ cm, $c = 7$ cm
- c) $\alpha = 119$ degrees, $c = 5$ cm, $\beta = 27$ degrees
- d) $\alpha = 96$ degrees, $c = 3$ cm, $\beta = 42$ degrees

3)

Draw a triangle with the given dimensions. Measure the size of angles α , β and γ .

- a) $\beta = 63$ degrees, $a = 7.9$ cm, $\gamma = 22$ degrees
- b) $a = 9.8$ cm, $b = 7$ cm, $c = 5$ cm
- c) $\beta = 57$ degrees, $a = 6.5$ cm, $\gamma = 57$ degrees
- d) $c = 5$ cm, $\beta = 17$ degrees, $a = 6.1$ cm

4)

Draw a triangle with the given dimensions. Measure the lengths of the sides a , b and c .

- a) $\gamma = 56$ degrees, $b = 7$ cm, $\alpha = 48$ degrees
- b) $\alpha = 58$ degrees, $c = 7$ cm, $\beta = 53$ degrees
- c) $\beta = 55$ degrees, $a = 9.6$ cm, $\gamma = 24$ degrees
- d) $\alpha = 91$ degrees, $c = 3$ cm, $\beta = 69$ degrees

Good Luck!