Worksheet

Free on dw-math.com

Problem quickname: 3913

<u>1)</u>

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) $b = 2$ cm, $\alpha = 74$ degrees, $c = 7$ cm

   b) $a = 10.7$ cm, $\gamma = 26$ degrees, $b = 8$ cm

   c) $a = 4.8$ cm, $b = 5$ cm, $c = 2$ cm

   d) $\alpha = 103$ degrees, $c = 5$ cm, $\beta = 46$ degrees

<u>2)</u>

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

   a) $a = 8.5$ cm, $b = 7$ cm, $c = 3$ cm

   b) $\beta = 76$ degrees, $a = 5.4$ cm, $\gamma = 56$ degrees

   c) $\gamma = 29$ degrees, $b = 8$ cm, $\alpha = 71$ degrees

   d) $\alpha = 63$ degrees, $c = 7$ cm, $\beta = 43$ degrees

<u>3)</u>

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

   a) $b = 3$ cm, $\alpha = 112$ degrees, $c = 4$ cm

   b) $b = 7$ cm, $\alpha = 111$ degrees, $c = 5$ cm

   c) $\gamma = 19$ degrees, $b = 8$ cm, $\alpha = 41$ degrees

   d) $\beta = 60$ degrees, $a = 5.9$ cm, $\gamma = 60$ degrees

<u>4)</u>

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

   a) $\beta = 46$ degrees, $a = 8.1$ cm, $\gamma = 57$ degrees

   b) $\beta = 50$ degrees, $a = 10.2$ cm, $\gamma = 29$ degrees

   c) $\alpha = 99$ degrees, $c = 3$ cm, $\beta = 31$ degrees

   d) $\alpha = 88$ degrees, $c = 7$ cm, $\beta = 16$ degrees

Good Luck!