Worksheet

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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) $a = 4.8$ cm, $b = 6$ cm, $c = 2$ cm

    b) $c = 6$ cm, $\beta = 31$ degrees, $a = 7.7$ cm

    c) $a = 6.8$ cm, $b = 4$ cm, $c = 4$ cm

    d) $\beta = 78$ degrees, $a = 3.9$ cm, $\gamma = 52$ degrees

<u>2)</u>

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

    a) $\beta = 65$ degrees, $a = 3.4$ cm, $\gamma = 65$ degrees

    b) $\alpha = 44$ degrees, $c = 4$ cm, $\beta = 68$ degrees

    c) $\gamma = 53$ degrees, $b = 3$ cm, $\alpha = 104$ degrees

    d) $a = 6.5$ cm, $b = 5$ cm, $c = 3$ cm

<u>3)</u>

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

    a) $\beta = 61$ degrees, $a = 5.7$ cm, $\gamma = 31$ degrees

    b) $a = 6.8$ cm, $b = 5$ cm, $c = 3$ cm

    c) $\gamma = 55$ degrees, $b = 6$ cm, $\alpha = 46$ degrees

    d) $c = 2$ cm, $\beta = 54$ degrees, $a = 6.9$ cm

<u>4)</u>

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

    a) $\gamma = 38$ degrees, $b = 3$ cm, $\alpha = 104$ degrees

    b) $\alpha = 61$ degrees, $c = 5$ cm, $\beta = 81$ degrees

    c) $\beta = 24$ degrees, $a = 4.6$ cm, $\gamma = 88$ degrees

    d) $\beta = 26$ degrees, $a = 6.8$ cm, $\gamma = 62$ degrees

Good Luck!