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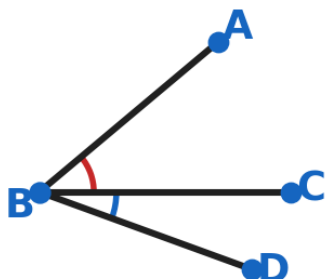
Unghiuri adiacente Varianta 1

1.

$$\angle ABC = 40^\circ$$

$$\angle CBD = 20^\circ$$

$$\angle ABD = \dots\dots\dots^\circ$$



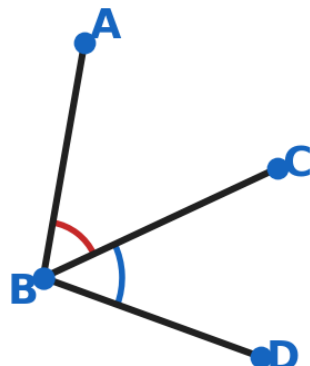
Rezolvare:

3.

$$\angle ABC = 55^\circ$$

$$\angle CBD = 45^\circ$$

$$\angle ABD = \dots\dots\dots^\circ$$



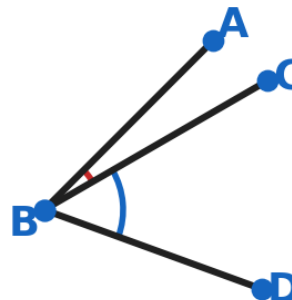
Rezolvare:

2.

$$\angle ABC = 15^\circ$$

$$\angle ABD = 65^\circ$$

$$\angle CBD = \dots\dots\dots^\circ$$



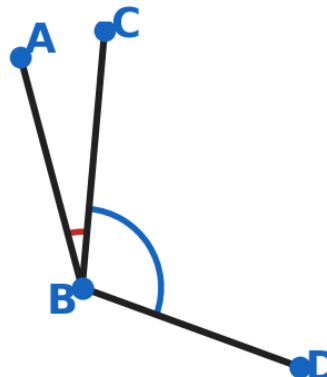
Rezolvare:

4.

$$\angle ABC = 20^\circ$$

$$\angle ABD = 125^\circ$$

$$\angle CBD = \dots\dots\dots^\circ$$



Rezolvare:



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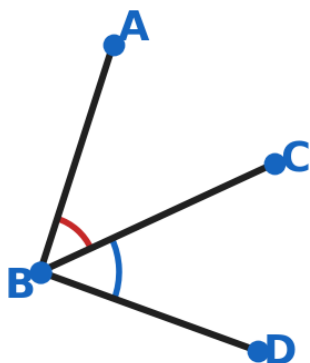
Locul unde matematica devine joacă!

5.

$$\angle ABC = 47^\circ 23'$$

$$\angle CBD = 44^\circ 48'$$

$$\angle ABD = \dots\dots\dots^\circ \dots\dots'$$



Rezolvare:

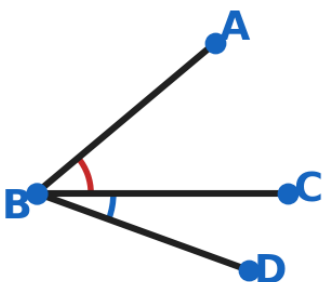
7.

$$\angle ABD = 60^\circ$$

$$\angle ABC = 2 \cdot \angle DBC$$

$$\angle DBC = \dots\dots\dots^\circ$$

$$\angle ABC = \dots\dots\dots^\circ$$



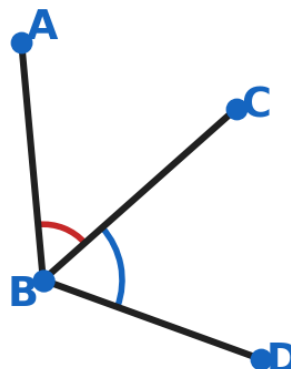
Rezolvare:

6.

$$\angle ABC = 53^\circ 34'$$

$$\angle ABD = 115^\circ 12'$$

$$\angle CBD = \dots\dots\dots^\circ \dots\dots'$$



Rezolvare:

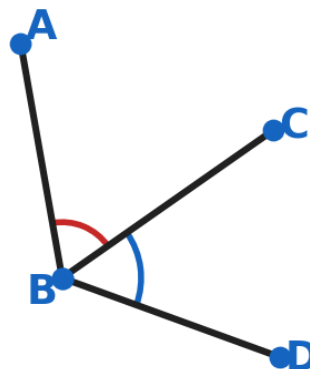
8.

$$\angle ABD = 120^\circ$$

$$\angle ABC = \angle DBC + 10^\circ$$

$$\angle DBC = \dots\dots\dots^\circ$$

$$\angle ABC = \dots\dots\dots^\circ$$



Rezolvare:



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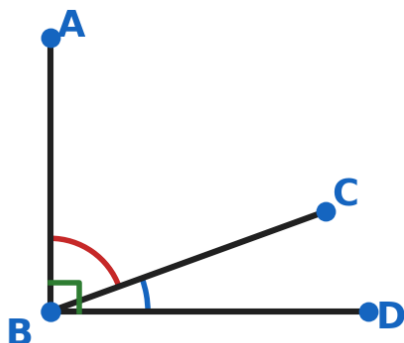
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9.

$$\angle ABD = 90^\circ$$

$$\angle ABC = 70^\circ$$

$$\angle DBC = \dots\dots^\circ$$



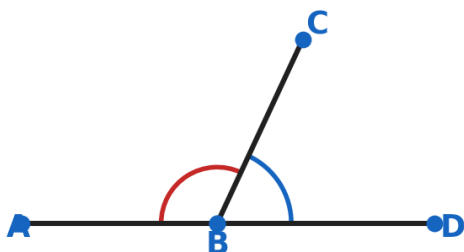
Rezolvare:

11.

$$\angle ABD = 180^\circ$$

$$\angle ABC = 115^\circ$$

$$\angle DBC = \dots\dots^\circ$$



Rezolvare:

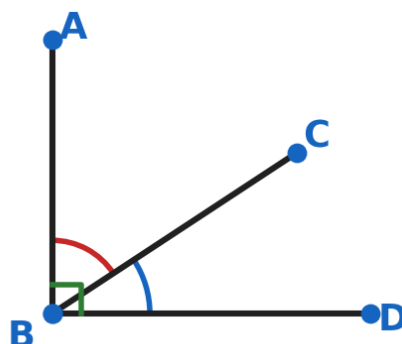
10.

$$\angle ABD = 90^\circ$$

$$\angle ABC = 2 \cdot \angle DBC - 10^\circ$$

$$\angle DBC = \dots\dots^\circ$$

$$\angle ABC = \dots\dots^\circ$$



Rezolvare:

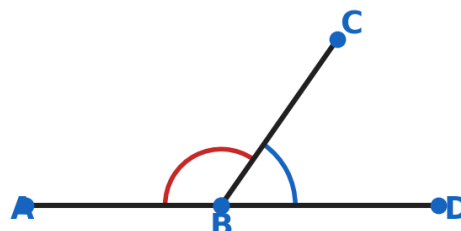
12.

$$\angle ABD = 180^\circ$$

$$\angle ABC = 3 \cdot \angle DBC - 40^\circ$$

$$\angle DBC = \dots\dots^\circ$$

$$\angle ABC = \dots\dots^\circ$$



Rezolvare:



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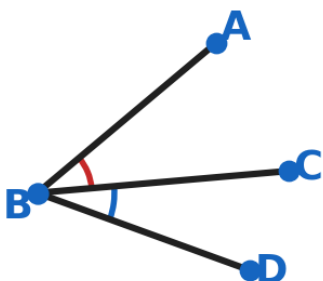
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Locul unde matematica devine joacă!

Unghiuri adiacente Varianta 2

13.

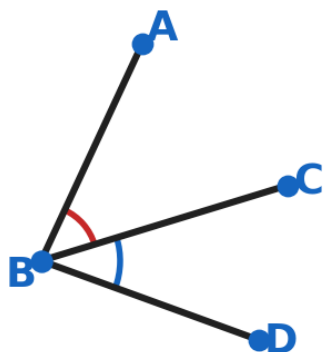
$$\begin{aligned}\angle ABC &= 35^\circ \\ \angle CBD &= 25^\circ \\ \angle ABD &= \dots\dots\dots^\circ\end{aligned}$$



Rezolvare:

15.

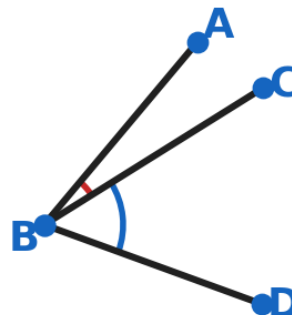
$$\begin{aligned}\angle ABC &= 48^\circ \\ \angle CBD &= 37^\circ \\ \angle ABD &= \dots\dots\dots^\circ\end{aligned}$$



Rezolvare:

14.

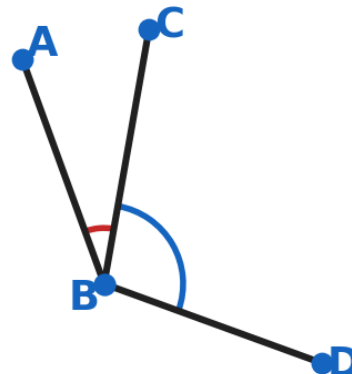
$$\begin{aligned}\angle ABD &= 70^\circ \\ \angle ABC &= 18^\circ \\ \angle CBD &= \dots\dots\dots^\circ\end{aligned}$$



Rezolvare:

16.

$$\begin{aligned}\angle ABD &= 130^\circ \\ \angle ABC &= 30^\circ \\ \angle CBD &= \dots\dots\dots^\circ\end{aligned}$$



Rezolvare:



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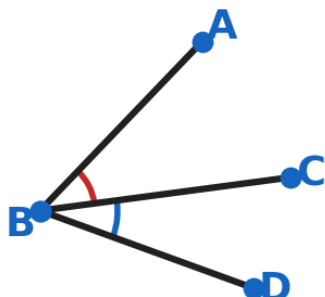


17.

$$\angle ABC = 38^\circ 42'$$

$$\angle CBD = 27^\circ 35'$$

$$\angle ABD = \dots\dots\dots^\circ \dots\dots'$$



Rezolvare:

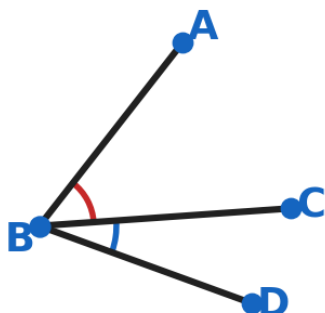
19.

$$\angle ABD = 72^\circ$$

$$\angle ABC = 2 \cdot \angle DBC$$

$$\angle DBC = \dots\dots\dots^\circ$$

$$\angle ABC = \dots\dots\dots^\circ$$



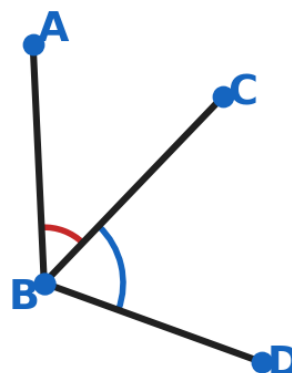
Rezolvare:

18.

$$\angle ABD = 112^\circ 40'$$

$$\angle ABC = 46^\circ 25'$$

$$\angle CBD = \dots\dots\dots^\circ \dots\dots'$$



Rezolvare:

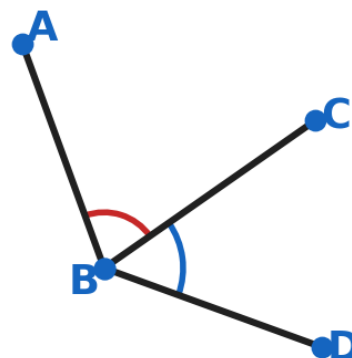
20.

$$\angle ABD = 130^\circ$$

$$\angle ABC = \angle DBC + 20^\circ$$

$$\angle DBC = \dots\dots\dots^\circ$$

$$\angle ABC = \dots\dots\dots^\circ$$



Rezolvare:



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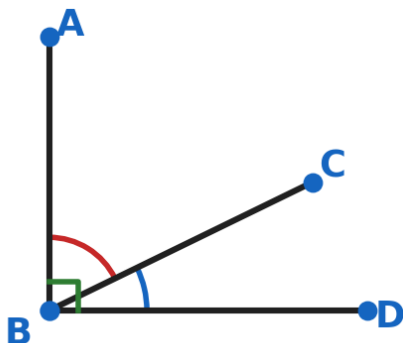
Locul unde matematica devine joacă!

21.

$$\angle ABD = 90^\circ$$

$$\angle ABC = 64^\circ$$

$$\angle DBC = \dots\dots^\circ$$



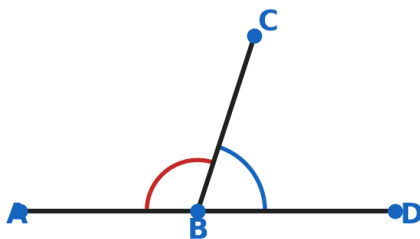
Rezolvare:

23.

$$\angle ABD = 180^\circ$$

$$\angle ABC = 108^\circ$$

$$\angle DBC = \dots\dots^\circ$$



Rezolvare:

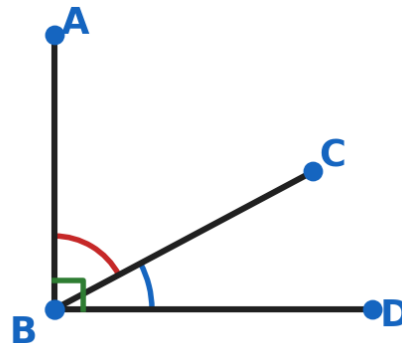
22.

$$\angle ABD = 90^\circ$$

$$\angle ABC = 2 \cdot \angle DBC + 6^\circ$$

$$\angle DBC = \dots\dots^\circ$$

$$\angle ABC = \dots\dots^\circ$$



Rezolvare:

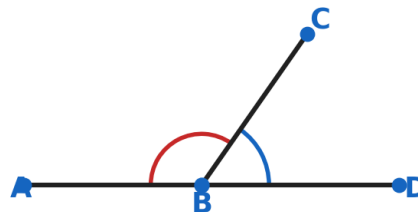
24.

$$\angle ABD = 180^\circ$$

$$\angle ABC = 2 \cdot \angle DBC + 15^\circ$$

$$\angle DBC = \dots\dots^\circ$$

$$\angle ABC = \dots\dots^\circ$$



Rezolvare:



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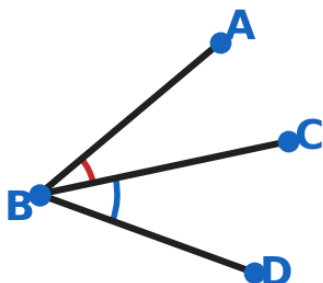
Unghiuri adiacente Varianta 3

25.

$$\angle ABC = 28^\circ$$

$$\angle CBD = 32^\circ$$

$$\angle ABD = \dots\dots^\circ$$



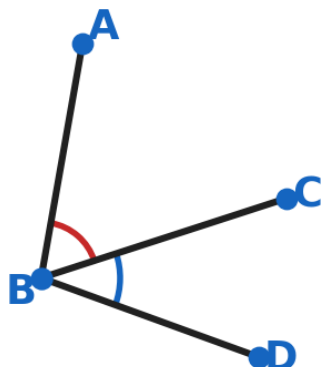
Rezolvare:

27.

$$\angle ABC = 62^\circ$$

$$\angle CBD = 38^\circ$$

$$\angle ABD = \dots\dots^\circ$$



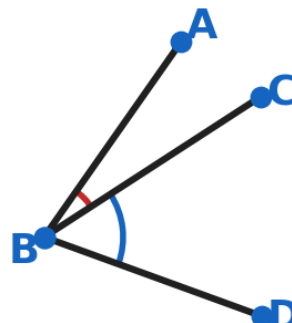
Rezolvare:

26.

$$\angle ABD = 75^\circ$$

$$\angle ABC = 22^\circ$$

$$\angle CBD = \dots\dots^\circ$$



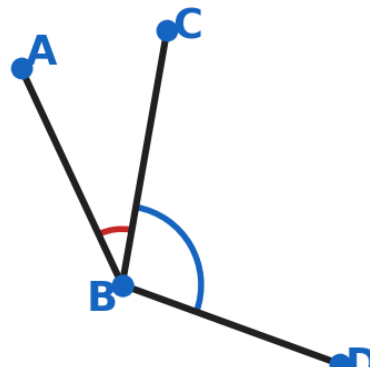
Rezolvare:

28.

$$\angle ABD = 135^\circ$$

$$\angle ABC = 35^\circ$$

$$\angle CBD = \dots\dots^\circ$$



Rezolvare:



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Locul unde matematica devine joacă!

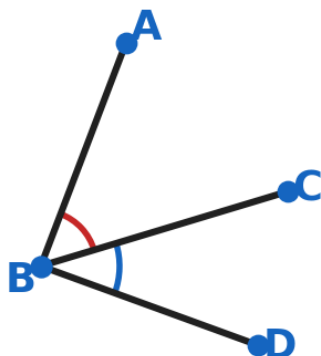


29.

$$\angle ABC = 52^\circ 18'$$

$$\angle CBD = 36^\circ 47'$$

$$\angle ABD = \dots\dots\dots^\circ \dots\dots'$$



Rezolvare:

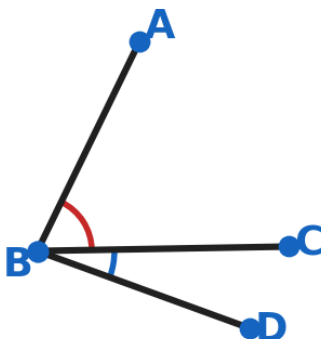
31.

$$\angle ABD = 84^\circ$$

$$\angle ABC = 3 \cdot \angle DBC$$

$$\angle DBC = \dots\dots\dots^\circ$$

$$\angle ABC = \dots\dots\dots^\circ$$



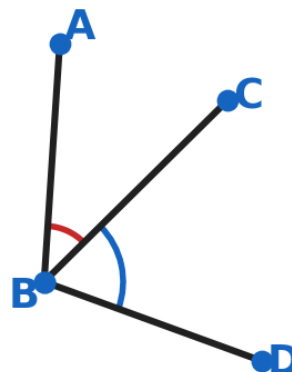
Rezolvare:

30.

$$\angle ABD = 106^\circ 15'$$

$$\angle ABC = 41^\circ 36'$$

$$\angle CBD = \dots\dots\dots^\circ \dots\dots'$$



Rezolvare:

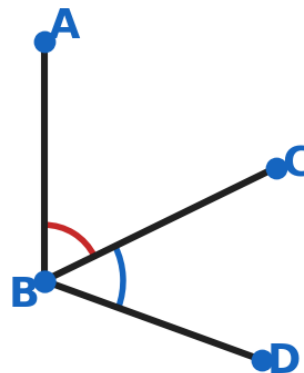
32.

$$\angle ABD = 110^\circ$$

$$\angle ABC = \angle DBC + 18^\circ$$

$$\angle DBC = \dots\dots\dots^\circ$$

$$\angle ABC = \dots\dots\dots^\circ$$



Rezolvare:



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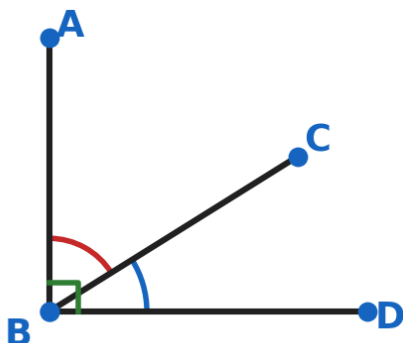
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33.

$$\angle ABD = 90^\circ$$

$$\angle ABC = 58^\circ$$

$$\angle DBC = \dots\dots^\circ$$



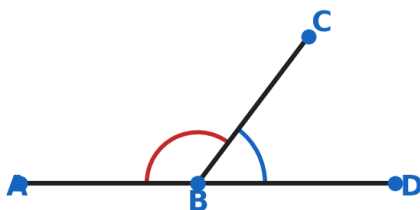
Rezolvare:

35.

$$\angle ABD = 180^\circ$$

$$\angle ABC = 127^\circ$$

$$\angle DBC = \dots\dots^\circ$$



Rezolvare:

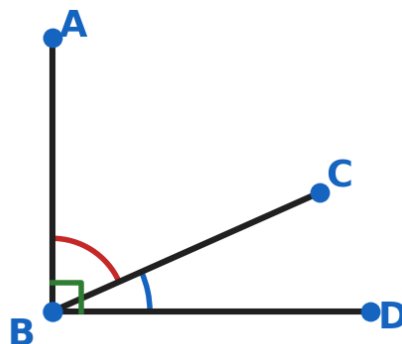
34.

$$\angle ABD = 90^\circ$$

$$\angle ABC = 3 \cdot \angle DBC - 6^\circ$$

$$\angle DBC = \dots\dots^\circ$$

$$\angle ABC = \dots\dots^\circ$$



Rezolvare:

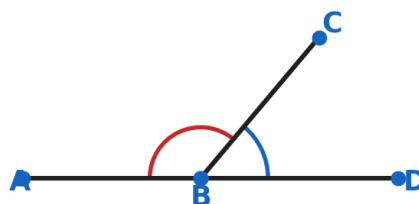
36.

$$\angle ABD = 180^\circ$$

$$\angle ABC = 3 \cdot \angle DBC - 20^\circ$$

$$\angle DBC = \dots\dots^\circ$$

$$\angle ABC = \dots\dots^\circ$$



Rezolvare:



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Locul unde matematica devine joacă!

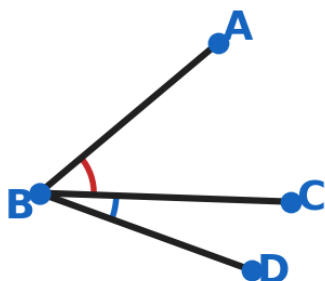
Unghiuri adiacente Varianta 4

37.

$$\angle ABC = 42^\circ$$

$$\angle CBD = 18^\circ$$

$$\angle ABD = \dots\dots\dots^\circ$$



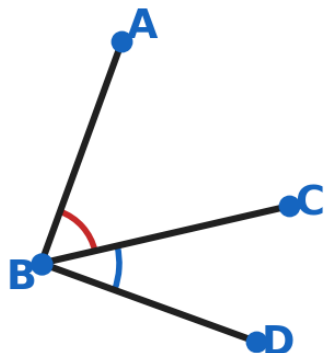
Rezolvare:

39.

$$\angle ABC = 57^\circ$$

$$\angle CBD = 33^\circ$$

$$\angle ABD = \dots\dots\dots^\circ$$



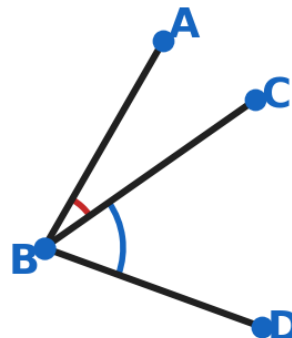
Rezolvare:

38.

$$\angle ABD = 80^\circ$$

$$\angle ABC = 25^\circ$$

$$\angle CBD = \dots\dots\dots^\circ$$



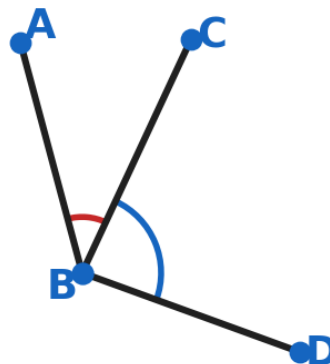
Rezolvare:

40.

$$\angle ABD = 125^\circ$$

$$\angle ABC = 40^\circ$$

$$\angle CBD = \dots\dots\dots^\circ$$



Rezolvare:



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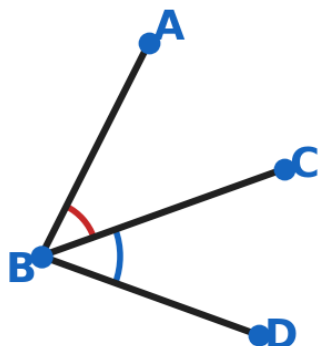


41.

$$\angle ABC = 43^\circ 27'$$

$$\angle CBD = 39^\circ 46'$$

$$\angle ABD = \dots\dots\dots^\circ \dots\dots'$$



Rezolvare:

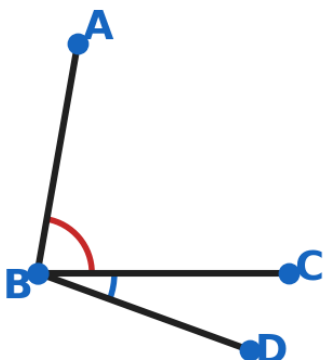
43.

$$\angle ABD = 100^\circ$$

$$\angle ABC = 4 \cdot \angle DBC$$

$$\angle DBC = \dots\dots\dots^\circ$$

$$\angle ABC = \dots\dots\dots^\circ$$



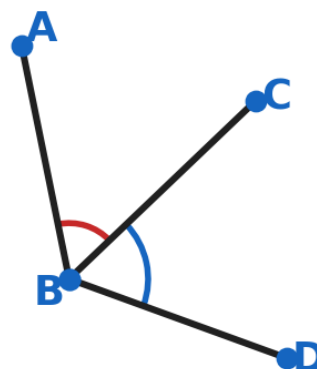
Rezolvare:

42.

$$\angle ABD = 121^\circ 30'$$

$$\angle ABC = 57^\circ 48'$$

$$\angle CBD = \dots\dots\dots^\circ \dots\dots'$$



Rezolvare:

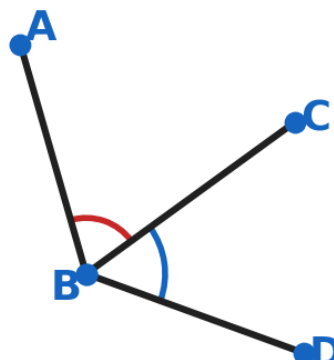
44.

$$\angle ABD = 126^\circ$$

$$\angle ABC = \angle DBC + 14^\circ$$

$$\angle DBC = \dots\dots\dots^\circ$$

$$\angle ABC = \dots\dots\dots^\circ$$



Rezolvare:



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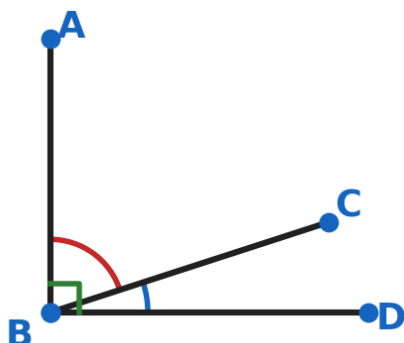
Locul unde matematica devine joacă!

45.

$$\angle ABD = 90^\circ$$

$$\angle ABC = 72^\circ$$

$$\angle DBC = \dots\dots^\circ$$



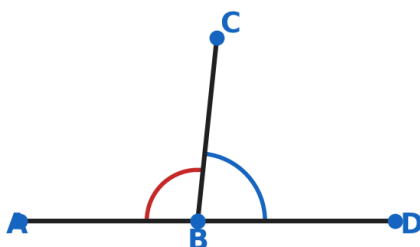
Rezolvare:

47.

$$\angle ABD = 180^\circ$$

$$\angle ABC = 96^\circ$$

$$\angle DBC = \dots\dots^\circ$$



Rezolvare:

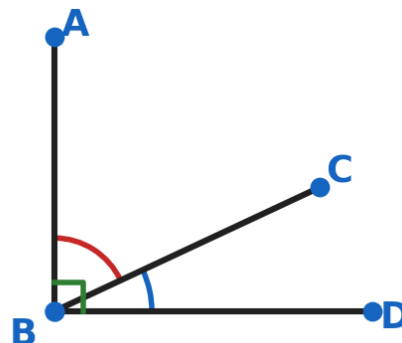
46.

$$\angle ABD = 90^\circ$$

$$\angle ABC = 2 \cdot \angle DBC + 15^\circ$$

$$\angle DBC = \dots\dots^\circ$$

$$\angle ABC = \dots\dots^\circ$$



Rezolvare:

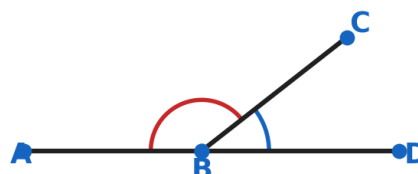
48.

$$\angle ABD = 180^\circ$$

$$\angle ABC = 4 \cdot \angle DBC - 10^\circ$$

$$\angle DBC = \dots\dots^\circ$$

$$\angle ABC = \dots\dots^\circ$$



Rezolvare:

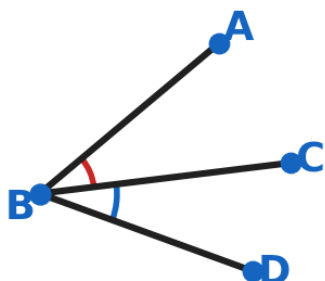
Unghiuri adiacente Varianta 5

49.

$$\angle ABC = 33^\circ$$

$$\angle CBD = 27^\circ$$

$$\angle ABD = \dots\dots^\circ$$



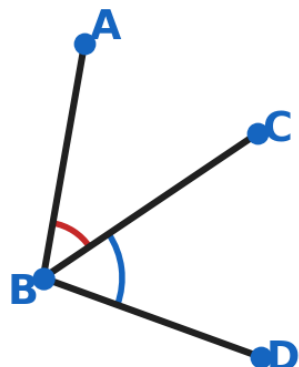
Rezolvare:

51.

$$\angle ABC = 46^\circ$$

$$\angle CBD = 54^\circ$$

$$\angle ABD = \dots\dots^\circ$$



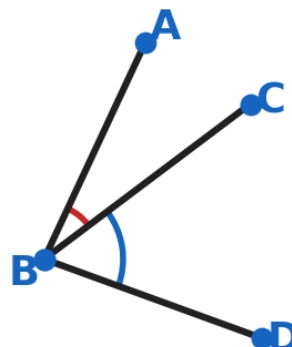
Rezolvare:

50.

$$\angle ABD = 85^\circ$$

$$\angle ABC = 28^\circ$$

$$\angle CBD = \dots\dots^\circ$$



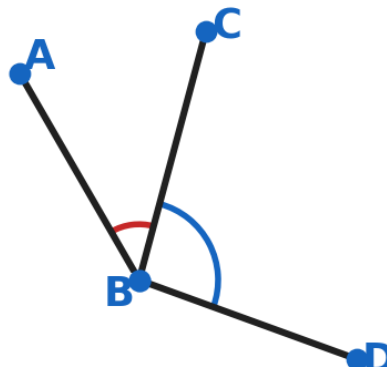
Rezolvare:

52.

$$\angle ABD = 140^\circ$$

$$\angle ABC = 45^\circ$$

$$\angle CBD = \dots\dots^\circ$$



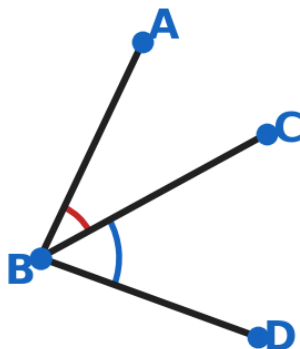
Rezolvare:

53.

$$\angle ABC = 35^\circ 54'$$

$$\angle CBD = 48^\circ 39'$$

$$\angle ABD = \dots\dots\dots^\circ \dots\dots'$$



Rezolvare:

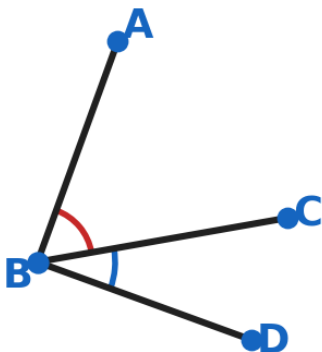
55.

$$\angle ABD = 90^\circ$$

$$\angle ABC = 2 \cdot \angle DBC$$

$$\angle DBC = \dots\dots\dots^\circ$$

$$\angle ABC = \dots\dots\dots^\circ$$



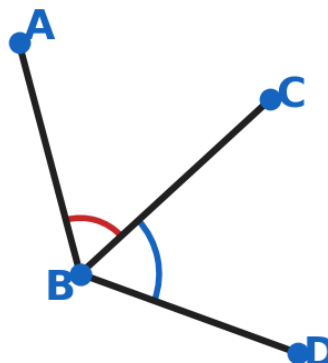
Rezolvare:

54.

$$\angle ABD = 124^\circ 50'$$

$$\angle ABC = 62^\circ 17'$$

$$\angle CBD = \dots\dots\dots^\circ \dots\dots'$$



Rezolvare:

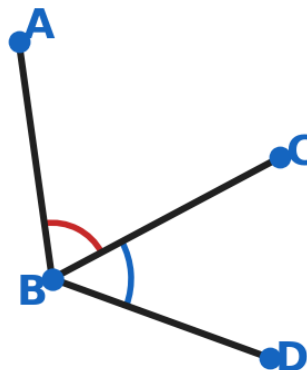
56.

$$\angle ABD = 118^\circ$$

$$\angle ABC = \angle DBC + 22^\circ$$

$$\angle DBC = \dots\dots\dots^\circ$$

$$\angle ABC = \dots\dots\dots^\circ$$



Rezolvare:



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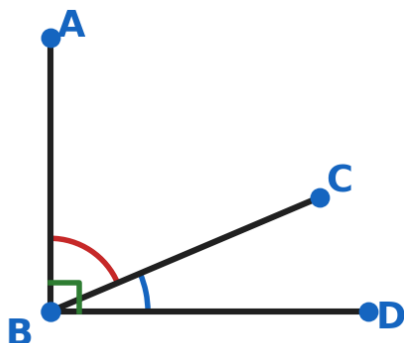
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57.

$$\angle ABD = 90^\circ$$

$$\angle ABC = 67^\circ$$

$$\angle DBC = \dots\dots^\circ$$



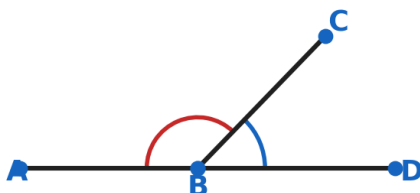
Rezolvare:

59.

$$\angle ABD = 180^\circ$$

$$\angle ABC = 134^\circ$$

$$\angle DBC = \dots\dots^\circ$$



Rezolvare:

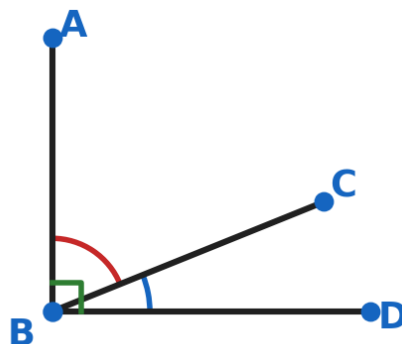
58.

$$\angle ABD = 90^\circ$$

$$\angle ABC = 3 \cdot \angle DBC + 2^\circ$$

$$\angle DBC = \dots\dots^\circ$$

$$\angle ABC = \dots\dots^\circ$$



Rezolvare:

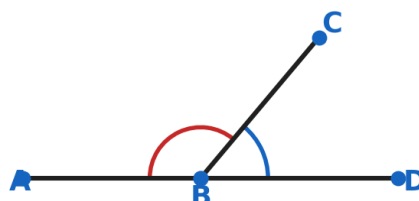
60.

$$\angle ABD = 180^\circ$$

$$\angle ABC = 2 \cdot \angle DBC + 30^\circ$$

$$\angle DBC = \dots\dots^\circ$$

$$\angle ABC = \dots\dots^\circ$$



Rezolvare:



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Locul unde matematica devine joacă!