В подобных треугольниках *АВС* и *А1В1С1* найдите недостающие стороны и углы этих треугольников.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Вариант** | **угол 1, °** | | | **угол 2, °** | | | **сторона 1** | | | **сторона 2** | | | **сторона 3** | | | **сторона 4** | | |
| **1** | *А* | = | 75 | *В1* | = | 27 | *АВ* | = | 3 | *АС* | = | 10 | *А1В1* | = | 9 | *В1С1* | = | 18 |
| **2** | *В* | = | 72 | *С1* | = | 87 | *ВС* | = | 4 | *АВ* | = | 8 | *В1С1* | = | 12 | *А1С1* | = | 9 |
| **3** | *С* | = | 48 | *А1* | = | 23 | *АС* | = | 3 | *ВС* | = | 10 | *А1С1* | = | 15 | *А1В1* | = | 20 |
| **4** | *А* | = | 70 | *В1* | = | 26 | *АВ* | = | 4 | *АС* | = | 6 | *А1В1* | = | 16 | *В1С1* | = | 40 |
| **5** | *В* | = | 16 | *С1* | = | 22 | *ВС* | = | 7 | *АВ* | = | 3 | *В1С1* | = | 21 | *А1С1* | = | 21 |
| **6** | *С* | = | 19 | *А1* | = | 75 | *АС* | = | 6 | *ВС* | = | 10 | *А1С1* | = | 30 | *А1В1* | = | 30 |
| **7** | *А* | = | 82 | *В1* | = | 18 | *АВ* | = | 8 | *АС* | = | 9 | *А1В1* | = | 32 | *В1С1* | = | 40 |
| **8** | *В* | = | 54 | *С1* | = | 61 | *ВС* | = | 8 | *АВ* | = | 6 | *В1С1* | = | 32 | *А1С1* | = | 16 |
| **9** | *С* | = | 63 | *А1* | = | 63 | *АС* | = | 9 | *ВС* | = | 4 | *А1С1* | = | 45 | *А1В1* | = | 20 |
| **10** | *А* | = | 12 | *В1* | = | 30 | *АВ* | = | 10 | *АС* | = | 7 | *А1В1* | = | 30 | *В1С1* | = | 18 |
| **11** | *В* | = | 69 | *С1* | = | 13 | *ВС* | = | 10 | *АВ* | = | 3 | *В1С1* | = | 30 | *А1С1* | = | 27 |
| **12** | *С* | = | 17 | *А1* | = | 38 | *АС* | = | 10 | *ВС* | = | 9 | *А1С1* | = | 50 | *А1В1* | = | 20 |
| **13** | *А* | = | 52 | *В1* | = | 66 | *АВ* | = | 12 | *АС* | = | 4 | *А1В1* | = | 48 | *В1С1* | = | 28 |
| **14** | *В* | = | 42 | *С1* | = | 73 | *ВС* | = | 8 | *АВ* | = | 3 | *В1С1* | = | 40 | *А1С1* | = | 40 |
| **15** | *С* | = | 36 | *А1* | = | 26 | *АС* | = | 10 | *ВС* | = | 5 | *А1С1* | = | 50 | *А1В1* | = | 35 |
| **16** | *А* | = | 41 | *В1* | = | 54 | *АВ* | = | 8 | *АС* | = | 11 | *А1В1* | = | 32 | *В1С1* | = | 48 |
| **17** | *В* | = | 66 | *С1* | = | 52 | *ВС* | = | 5 | *АВ* | = | 7 | *В1С1* | = | 20 | *А1С1* | = | 12 |
| **18** | *С* | = | 85 | *А1* | = | 28 | *АС* | = | 5 | *ВС* | = | 12 | *А1С1* | = | 20 | *А1В1* | = | 48 |
| **19** | *А* | = | 75 | *В1* | = | 27 | *АВ* | = | 3 | *АС* | = | 10 | *А1В1* | = | 9 | *В1С1* | = | 18 |
| **20** | *В* | = | 72 | *С1* | = | 87 | *ВС* | = | 4 | *АВ* | = | 8 | *В1С1* | = | 12 | *А1С1* | = | 9 |
| **21** | *С* | = | 48 | *А1* | = | 23 | *АС* | = | 3 | *ВС* | = | 10 | *А1С1* | = | 15 | *А1В1* | = | 20 |
| **22** | *А* | = | 70 | *В1* | = | 26 | *АВ* | = | 4 | *АС* | = | 6 | *А1В1* | = | 16 | *В1С1* | = | 40 |
| **23** | *В* | = | 16 | *С1* | = | 22 | *ВС* | = | 7 | *АВ* | = | 3 | *В1С1* | = | 21 | *А1С1* | = | 21 |
| **24** | *С* | = | 19 | *А1* | = | 75 | *АС* | = | 6 | *ВС* | = | 10 | *А1С1* | = | 30 | *А1В1* | = | 30 |
| **25** | *А* | = | 82 | *В1* | = | 18 | *АВ* | = | 8 | *АС* | = | 9 | *А1В1* | = | 32 | *В1С1* | = | 40 |
| **26** | *В* | = | 54 | *С1* | = | 61 | *ВС* | = | 8 | *АВ* | = | 6 | *В1С1* | = | 32 | *А1С1* | = | 16 |
| **27** | *С* | = | 63 | *А1* | = | 63 | *АС* | = | 9 | *ВС* | = | 4 | *А1С1* | = | 45 | *А1В1* | = | 20 |
| **28** | *А* | = | 12 | *В1* | = | 30 | *АВ* | = | 10 | *АС* | = | 7 | *А1В1* | = | 30 | *В1С1* | = | 18 |
| **29** | *В* | = | 69 | *С1* | = | 13 | *ВС* | = | 10 | *АВ* | = | 3 | *В1С1* | = | 30 | *А1С1* | = | 27 |
| **30** | *С* | = | 17 | *А1* | = | 38 | *АС* | = | 10 | *ВС* | = | 9 | *А1С1* | = | 50 | *А1В1* | = | 20 |