Dreiecke - Kosinus II

Berechne alle Winkel, wenn die Seiten des Dreiecks bekannt sind. Aus der Lösungstabelle unten kann das Lösungswort abgelesen werden.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a | b | c | α | β | γ |
| 7 cm | 3,18 cm | 6,1 cm | 94° | 27° | 59° |
| 7,67 m | 7,7 m | 12,11 m | 37,9° | 38,1° | 104° |
| 6,8 dm | 8,9 dm | 11,5 dm | 36° | 50° | 64° |
| 5,18 km | 7,8 km | 3,93 km | 60,3° | 117° | 26,7° |
| 5,3 m | 4,13 m | 4,78 m | 72,6° | 48° | 59,4° |
| 3,8 m | 5 m | 2,49 m | 34,9° | 110° | 35,1° |
| 6,1 cm | 4,8 cm | 5,7 cm | 70,4° | 48° | 61,6° |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | E | F | G | H | I | K |
| 48° | 27° | 60,3° | 59° | 110° | 26,7° | 72,6° | 59,4° | 117° | 34,9° |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L | M | N | O | R | S | T | U | W | Z |
| 61,6° | 70,4° | 35,1° | 104° | 64° | 50° | 94° | 36° | 37,9° | 38,1° |

LÖSUNGSWORT:

# T O S C A N A

Dreiecke - Trigonometrie III

Berechne alle Winkel, wenn die Seiten des Dreiecks bekannt sind. Aus der Lösungstabelle unten kann das Lösungswort abgelesen werden.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a | b | c | α | β | γ |
| 5 6 m | 10,6 cm | 7,11 cm |  |  |  |
| 6,9 m | 10,7 m | 11,4 m |  |  |  |
| 4,6 dm | 2,2 dm | 3,2 dm |  |  |  |
| 6,66 km | 7,5 km | 10,4 km |  |  |  |
| 4,9 m | 4,35 m | 6,23 m |  |  |  |
| 3,8 m | 5,1 m | 2,6 m |  |  |  |
| 5,3 cm | 4,13 cm | 4,78 cm |  |  |  |
| 7,1 km | 4,78 km | 4,78 km |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | E | F | G | H | I | K |
| 84,5° | 104° | 43,3° | 42° | 78° | 26,2° | 65,8° | 37° | 114° | 51,5° |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L | M | N | O | R | S | T | U | W | Z |
| 105° | 45,5° | 48° | 36,2° | 44° | 73,6° | 39,7° | 96° | 39,8° | 59,4° |

LÖSUNGSWORT: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_





Dreiecke - Trigonometrie III

Berechne alle Winkel, wenn die Seiten des Dreiecks bekannt sind. Aus der Lösungstabelle unten kann das Lösungswort abgelesen werden.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a | b | c | α | β | γ |
| 5 6 m | 10,6 cm | 7,11 cm | 37° | 104° | 43,3° |
| 6,9 m | 10,7 m | 11,4 m | 65,8° | 36,2° | 78° |
| 4,6 dm | 2,2 dm | 3,2 dm | 114° | 26,2° | 39,8° |
| 6,66 km | 7,5 km | 10,4 km | 39,7° | 46° | 94,3° |
| 4,9 m | 4,35 m | 6,23 m | 51,5° | 44° | 84,5° |
| 3,8 m | 5,1 m | 2,6 m | 45,5° | 105° | 84,5° |
| 5,3 cm | 4,13 cm | 4,78 cm | 73,6° | 48° | 59,4° |
| 7,1 km | 4,78 km | 4,78 km | 96° | 42° | 42° |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | E | F | G | H | I | K |
| 84,5° | 104° | 43,3° | 42° | 78° | 26,2° | 65,8° | 37° | 114° | 51,5° |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L | M | N | O | R | S | T | U | W | Z |
| 105° | 45,5° | 48° | 36,2° | 44° | 73,6° | 39,7° | 96° | 39,8° | 59,4° |

LÖSUNGSWORT:

# H E F T R A N D

        