



## **Trigonometry - Rule of Cosines - Full Calculation**



| Solve for the side length indicated  ? 5 65 12 | 9.2      | 10.3  | 10.9      | Solve for the side length indicated   | A 4.5 | 3.8      | C 4      |
|--|----------|-------|-----------|---------------------------------------|-------|----------|----------|
|  | D 9.8    | E 8.7 | F 12      | 4 55                                  | D 4.2 | E 5.1    | F 4.7    |
| 3 Solve for the side length indicated          | A 7.9    | Б 5.9 | 7.1       | 4 Solve for the side length indicated | A 6.3 | B<br>8.1 | C 7      |
|  | D 6.3    | E 8.7 | F<br>8.3  | 65 ?                                  | D 5.3 | E 8.4    | F 7.4    |
| 5 Solve for the side length indicated  80 5    | A<br>8.7 | В 10  | c<br>6.5  | Solve for the side length indicated   | 5.7   | Б 5.1    | c<br>6   |
|  | D 8.2    | 6.9   | 10.4      | 11 11                                 | D 4.3 | E 4.8    | F 4.6    |
| 7 Solve for the side length indicated          | A 12.4   | 10.3  | c<br>10.8 | 8 Solve for the side length indicated | 9.2   | 9.7      | c<br>8.7 |
|  | D 9.8    | E 8.2 | F 7.7     | 7                                     | D 7.7 | 11.6     | F 11.1   |