The law of cosines

Name _____ Date _____

1. a = 14, b = 16, C = 120°: c = ____

2. a = 16, b = 14, C = 120°: c = ____

3. a = 5, b = 8, C = 60°: c = ____

4. a = 7, b = 8, C = 120°: c = ____

5. a = 10, b = 6, C = 120°: c = ____

6. a = 10, b = 16, C = 60°: c = ____

7. a = 16, b = 5, C = 120°: c = ____

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8. $a = 5, b = 3, C = 120°$: $c =$ ____

9. $a = 8, b = 15, C = 60°$: $c =$ ____

10. $a = 15, b = 8, C = 60°$: $c =$ ____

11. $a = 15, b = 7, C = 60°$: $c =$ ____

12. $a = 7, b = 15, C = 60°$: $c =$ ____

13. $a = 16, b = 6, C = 60°$: $c =$ ____

14. $a = 3, b = 5, C = 120°$: $c =$ ____