Name: _____ Date: _____

Fresh Math

Law Of Cosines - Medium

In triangle ABC, use the Law of Cosines to find the angle. Round to the nearest tenth of a degree.

1. a = 11, b = 10, c = 9. Find angle B.

2. a = 17, b = 13, c = 15. Find angle B.

3. a = 16, b = 15, c = 8. Find angle A.

4. a = 9, b = 10, c = 14. Find angle B.

5. a = 18, b = 14, c = 19. Find angle B.

6. a = 15, b = 16, c = 7. Find angle A.

Name: _____ Date: _____

Fresh Math

Law Of Cosines - Medium

In triangle ABC, use the Law of Cosines to find the angle. Round to the nearest tenth of a degree.

7. a = 18, b = 15, c = 9. Find angle C.

8. a = 11, b = 10, c = 12. Find angle C.

9. a = 11, b = 18, c = 16. Find angle B.

10. a = 5, b = 8, c = 7. Find angle B.

11. a = 17, b = 14, c = 10. Find angle A.

12. a = 15, b = 7, c = 19. Find angle C.

Name: _____ Date: _____

Law Of Cosines - Medium

In triangle ABC, use the Law of Cosines to find the angle. Round to the nearest tenth of a degree.

13. a = 15, b = 11, c = 11. Find angle B.

14. a = 11, b = 11, c = 14. Find angle C.

15. a = 4, b = 9, c = 10. Find angle C.

16. a = 14, b = 20, c = 8. Find angle C.

Law Of Cosines - Medium - Answer Key

1. a = 11, b = 10, c = 9. Find angle B.

   angle B ≈ 59.0°
2. a = 17, b = 13, c = 15. Find angle B.

   angle B ≈ 47.4°
3. a = 16, b = 15, c = 8. Find angle A.

   angle A ≈ 82.1°
4. a = 9, b = 10, c = 14. Find angle B.

   angle B ≈ 45.4°
5. a = 18, b = 14, c = 19. Find angle B.

   angle B ≈ 44.4°
6. a = 15, b = 16, c = 7. Find angle A.

   angle A ≈ 69.1°

Law Of Cosines - Medium - Answer Key

7. a = 18, b = 15, c = 9. Find angle C.

   angle C ≈ 29.9°

8. a = 11, b = 10, c = 12. Find angle C.

   angle C ≈ 69.5°

9. a = 11, b = 18, c = 16. Find angle B.

   angle B ≈ 81.3°

10. a = 5, b = 8, c = 7. Find angle B.

    angle B ≈ 81.8°

11. a = 17, b = 14, c = 10. Find angle A.

    angle A ≈ 88.6°

12. a = 15, b = 7, c = 19. Find angle C.

    angle C ≈ 114.5°

Law Of Cosines - Medium - Answer Key

13. a = 15, b = 11, c = 11. Find angle B.

    angle B ≈ 47.0°

14. a = 11, b = 11, c = 14. Find angle C.

    angle C ≈ 79.0°

15. a = 4, b = 9, c = 10. Find angle C.

    angle C ≈ 92.4°

16. a = 14, b = 20, c = 8. Find angle C.

    angle C ≈ 18.2°