

Pre-Calculus Study Guide 04-01

Use the Work Assignment Form
when turning in the homework.

Title: Applications of Trigonometric Functions

1. Review Chapter 8 and review the following geometry concepts: Complementary Angle Theorem, Law of Sine, Law of Cosine, and the area K of a triangle.
2. Review the following AYU problems:
 - a) Pages 520-521: 67; 69; 74; 77
 - b) Pages 530-532: 39; 47-53
 - c) Pages 538-539: 44-46; 50-51; 54
 - d) Pages 543-545: 33; 38-40; 46; 50-52 (Enrichment)
 - e) Pages 555-557: 47-51; 53-58; 61-62

Pre-Calculus Study Guide 04-02

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Title: **Polar Coordinates; Vectors**

1. Walk-thru Chapter 9. **Write a brief summary** comparing and contrasting the Cartesian coordinates, the polar coordinates, the complex plane, and the vectors representation in space. Come into class prepared to present and discuss your statements.

Pre-Calculus Study Guide 04-03

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Title: Polar Coordinates; Vectors

1. Read the Chapter 9 sections listed below. Use the following sets of AYU problems as a study guide for this week. Solve the odd-number problems first. If you want to practice more solving problems, continue on with the even numbers at your discretion. You do not have to turn in this assignment.
 - a) Section 01 – 47-50; 59-62 ; 67-82
 - b) Section 02 – 17-24; 71-76
 - c) Section 03 – 33-36; 41-42; 53-54
 - d) Section 04 – 15-22; 29-36; 39-50

Pre-Calculus Study Guide 04-04

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Title: Polar Coordinates; Vectors

1. Review the Chapter 9 sections listed below. Use the following sets of AYU problems as a study guide for this week. Solve the odd-number problems first. If you want to practice more solving problems, continue on with the even numbers at your discretion. You do not have to turn in this assignment.
 - a) Section 05 – 10-15; 19-24; 29; 33; 37
 - b) Section 06 – 29-54; 59-62
 - c) Section 07 – 15-18; 27-34