Chapter 6 Concepts to Know

1. Law of sines, law of cosines (ambiguous case)

2. Area of a Triangle (3 methods depending on triangle given)

3. Vectors

    a) Notation

    b) component form

    c) linear combination form

    d) unit vector

    e) direction angle of

    f) adding vectors

    g) multiplying by a scalar

    h) dot product

    i) angle between 2 vectors – orthogonal, parallel

4. Complex Numbers –

    a) graphing/adding/subtracting/multiplying/dividing standard form

    b) writing trigonometric form- r , theta

    c) multiplying/dividing trigonometric form

    d) DeMoivre's Theorem