12-1

Right triangles only

* You can use trigonometric functions easily
  + Ex.
    - Sin 45/51
    - Cos 24/51
    - Tan 45/24
    - Sec 51/41
    - Cos 51/24
    - Cot 24/45

12-2

* Positive angles go counter clockwise, and negative go clockwise.

Arc length can be found with this proportion:

Arc length = ang°

2πr 360

* To find the positive and negative coterminal values, add 360 & subtract 360 until you get one positive and one negative number

12-4

Finding area: a= ½ b h or ½ b c sinA

To find h: h/b= sinA or h=b sinA

Law of sines: find all sides and angles

sinA = sinB = sinC

a b c

12-5

Law of cosine:

a²=b² + c² -2b • c • sinA

When to use each of them



(the x’s mean you’re given that side, the lines mean you’re given that angle)