

Math 111 - Trigonometry

Homework Section 1.1 - Due 29th Aug

Give your answers exactly. (This means no decimals, but square roots are okay.)
You should attempt this homework without a calculator.

1. #30 on page 8.
 2. #96 on page 9.
 3. #120 on page 9.
 4. #130 on page 10.
 5. Compute the least positive coterminal of the angle $\theta = -100000^\circ$.
 6. An n -gon is a polygon of n sides (e.g. a triangle is a 3-gon). If each side is of equal length, then it is called a regular n -gon. (e.g. an equilateral triangle).
Write down an algebraic expression for the sum of the angles inside a regular n -gon.
 - *7. Show that the internal angles of any triangle must add up to 180° .
- *Optional questions, not to be handed in.