

New Concepts

- Convex & Concave
- Polygon
- Diagonal
- Regular

Problem Set #16

“We cannot hold a torch to light another’s path without brightening our own.”

- Ben Sweetland

New Postulates and Theorems

- Theorem 24 – The sum of the measures of the angles of a convex polygon with n sides is $(n - 2)180$.
- Theorem 25 – The sum of the measures of the exterior angles of any convex polygon, one angle at each vertex, is 360.

Exercises:

p.104 #8,9,11,13,15,17,18,20,21,23-28

Problems:

16-1 Star Sum

What is the sum $m\angle ABC + m\angle BCD + m\angle CDE + m\angle DEA + m\angle EAB$ in the star below?

