

7.3

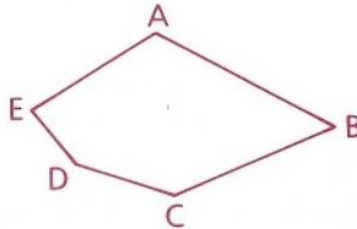
Part Three: Problem Sets

Section 7.3 Formulas Involving Polygons

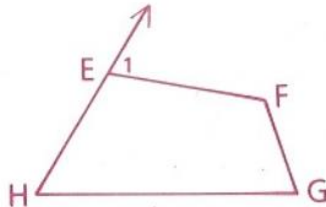
Problem Set A

- 1 Find the sum of the measures of the angles of
- a A quadrilateral
 - b A heptagon
 - c An octagon
 - d A dodecagon
 - e A 93-gon

- 2 Given: $m\angle A = 160$, $m\angle B = 50$,
 $m\angle C = 140$, $m\angle D = 150$
Find: $m\angle E$



- 4 Given: $m\angle F = 110$,
 $m\angle G = 80$,
 $m\angle H = 74$
Find: $m\angle 1$



- 6 Find the sum of the measures of the exterior angles, one per vertex, of each of these polygons.
- a A triangle
 - b A heptagon
 - c A nonagon
 - d A 1984-gon
- 7 What is the fewest number of sides a polygon can have?

