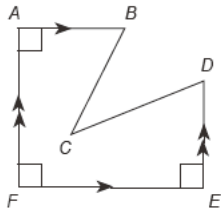


Introduction to Geometry

Solution

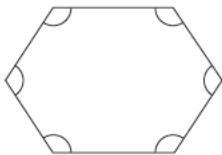
3.



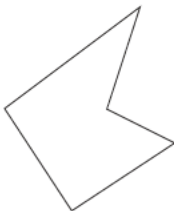
$$\begin{aligned} 4. \quad x + 52^\circ + 60^\circ &= 180^\circ \\ x + 112^\circ &= 180^\circ \\ x &= 68^\circ \end{aligned}$$

$$\begin{aligned} x + 40^\circ + 52^\circ + y &= 180^\circ \\ 68^\circ + 92^\circ + y &= 180^\circ \\ 160^\circ + y &= 180^\circ \\ y &= 20^\circ \end{aligned}$$

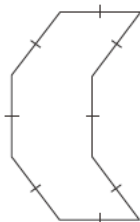
5. (a)



(b)



(c)



6. (a) Rectangular pyramid

(b) $F = 5$

$V = 5$

$E = 8$