ABEF is a straight line.
BCDE is a quadrilateral.

A   B   E   F

110°

120°

D

90°

C

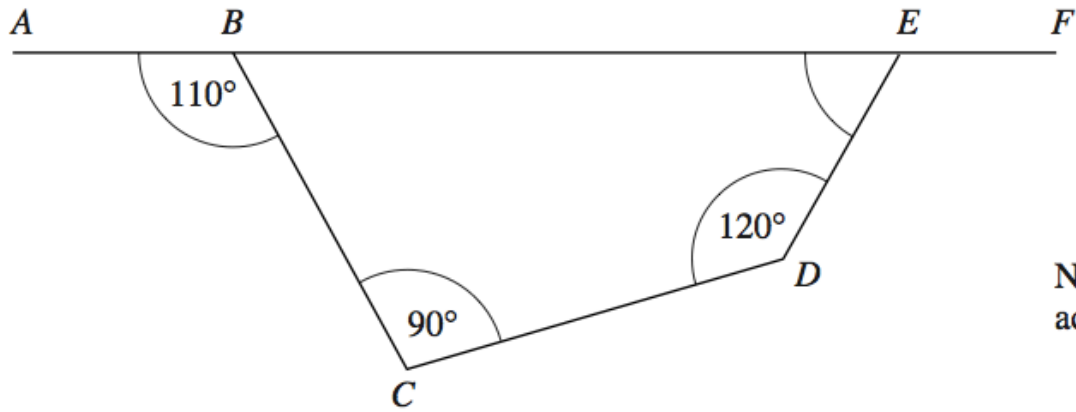Not drawn accurately

Find angle *BED*.

(3 marks)

Geometry - Angles of Quadrilateral
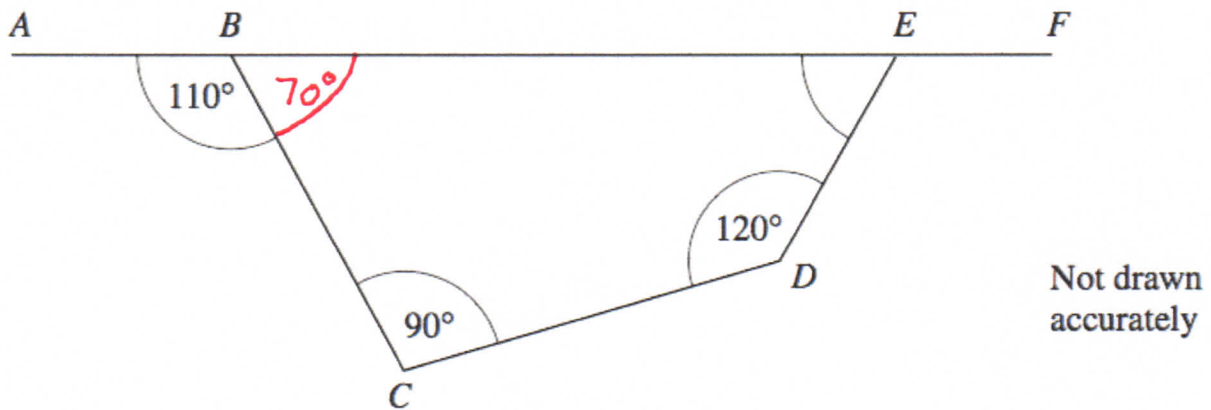
ABEF is a straight line.
BCDE is a quadrilateral.

Not drawn accurately

Find angle *BED*.

(3 marks)

Angle $CBE = 180 - 110 = 70°$

(angles on a straight line add up to 180°)

Angle $BED = 360 - (120 + 90 + 70)$

(angles of a quadrilateral add up to 360°)

$$\begin{array}{r} 120 \\ 90 \\ 70 + \\ \hline 280 \end{array}$$

$$\begin{array}{r} 360 \\ 280 - \\ \hline 80 \end{array}$$

Angle $BED = 80°$