



The diagram shows a quadrilateral $ABCD$.

(a) Calculate AD .

$$AD = \dots\dots\dots \text{ cm [3]}$$

(b) Calculate the obtuse angle BDC .

$$\text{Angle } BDC = \dots\dots\dots [4]$$

(c) Calculate the area of the quadrilateral.

$$\dots\dots\dots \text{ cm}^2 [3]$$