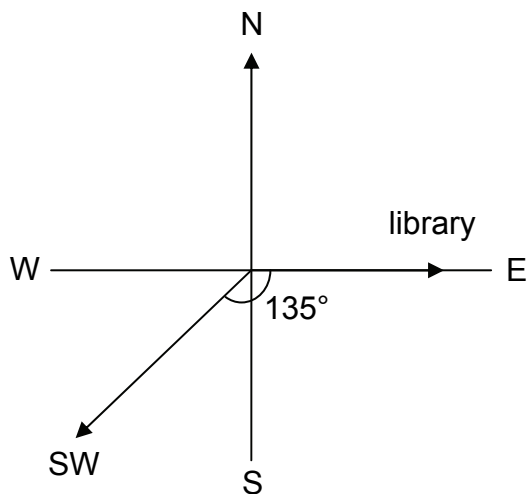


63.



Angle turned through =  $135^\circ$

64.

$$\angle CDB = 50^\circ$$

65.

$$\angle BAE = 90^\circ$$

$$\angle BEA = \frac{180 - 90}{2}$$

(Base  $\angle$ s of isos. triangle)

$$= 45^\circ$$

$$\angle FEA = 180 - 78$$

( $\angle$ s on straight line)

$$= 102^\circ$$

$$\angle BEF = 180 - 78 + 45$$

$$= 147^\circ$$

66.

$$\begin{aligned} \angle p &= \angle BOE \quad (\text{Vert. opp. } \angle\text{s}) \\ &= 180 - 51 - 32 \\ &\quad (\angle\text{s on a straight line}) \\ &= 97^\circ \end{aligned}$$

67.

$$\begin{aligned} \angle AOD &= 90 - 37 \\ &= 53^\circ \end{aligned}$$

$$\begin{aligned} \angle y &= 360 - 53 - 90 \\ &\quad (\angle\text{s at a point}) \\ &= 217^\circ \end{aligned}$$

68.

$$\begin{aligned} \angle AOE &= 180 - 100 - 55 \\ &\quad (\angle\text{s on a straight line}) \\ &= 25^\circ \end{aligned}$$

69.

$$\begin{aligned} \angle AOD &= 180 - 90 - 33 \\ &\quad (\angle\text{s on a straight line}) \\ &= 57^\circ \end{aligned}$$