

$$1 \text{ ① } \text{ complement of } 20^\circ = 90 - 20 \\ = 70^\circ$$

$$\text{ complement of } 63^\circ = 90 - 63 \\ = 27^\circ$$

$$\text{ complement of } 57^\circ = 90 - 57 \\ = 33^\circ$$

$$2 \text{ ① } \text{ supplement of } 105^\circ = 180 - 105 \\ = 75^\circ$$

$$\text{ supplement of } 87^\circ = \begin{array}{r} 180 - 87 \\ 180 - 87 \\ = 93^\circ \quad 93^\circ \end{array}$$

$$\text{ supplement of } 154^\circ = 180^\circ - 154^\circ \\ = 26^\circ$$

$$3 \text{ ① } \text{ Sum of two given angles} = 65 + 115 \\ = 180^\circ$$

\therefore angles are supplementary