

EXERCISE :- 1.1

Q1. Determine which of the following pairs of angles are co-terminal.

① $210^\circ, -150^\circ$
 $\rightarrow 210 - (-150)^\circ$
 $210 + 150$

360°
 $\therefore$ Which is multiple of 360° .

$\therefore$ This pair of angle is co-terminal

② $360^\circ, -30^\circ$
 $360 - (-30)^\circ$
 $360 + 30$

390°

$\therefore$ Which is not multiple of 360° .

$\therefore$ This pair of angle is not co-terminal

③ $-180^\circ, 540^\circ$
 $-180 - 540^\circ$
 $= -(180 + 540^\circ)$
 $= -(720)$
 $= -(360 \times 2^\circ)$

$\therefore$ Which is multiple of 360°

$\therefore$ This pair of angle is co-terminal

$$\begin{aligned}
 \textcircled{4} & -405^\circ, 675^\circ \\
 & -405 - 675^\circ \\
 & - (405 + 675^\circ) \\
 & - 1080^\circ \\
 & - 360 \times 3
 \end{aligned}$$

Which is multiple of 360° .
This pair of angle is co-terminal.

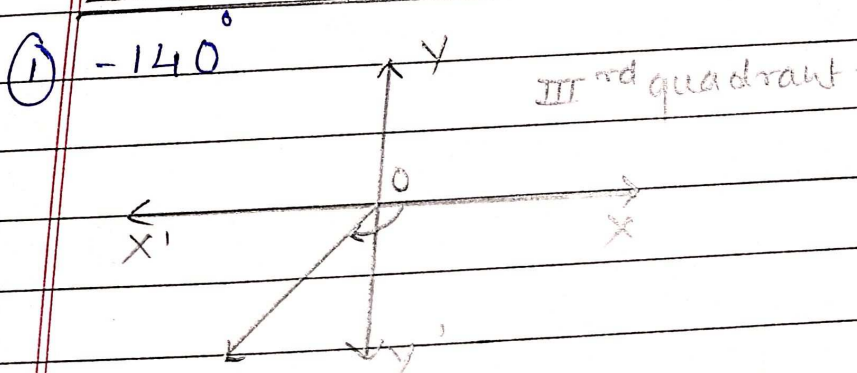
$$\begin{aligned}
 \textcircled{5} & 860^\circ, 580^\circ \\
 & 860^\circ - 580^\circ \\
 & = 280^\circ
 \end{aligned}$$

Which is not multiple of 360° .
This pair of angle is not co-terminal.

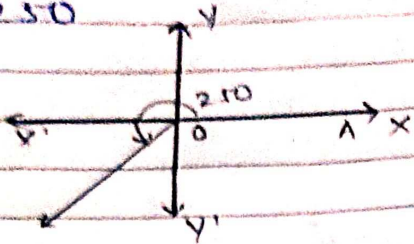
$$\begin{aligned}
 \textcircled{6} & 900^\circ, -900^\circ \\
 & 900 - (-900)^\circ \\
 & = 900 + 900 \\
 & = 1800
 \end{aligned}$$

Which is multiple of 360° .
 $\therefore$ This pair of angle is co-terminal.

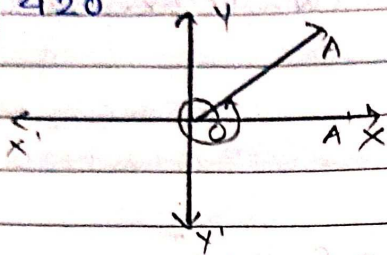
B. Draw the angle of the follow measure and determine their quadrant.



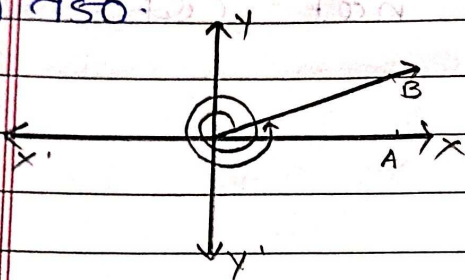
2. 250°



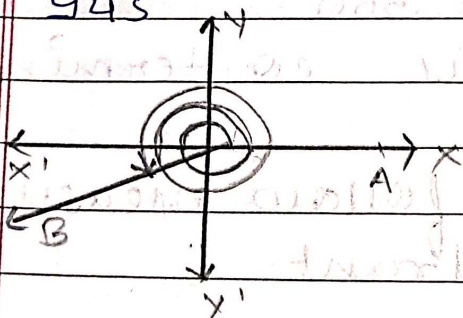
3. 420°



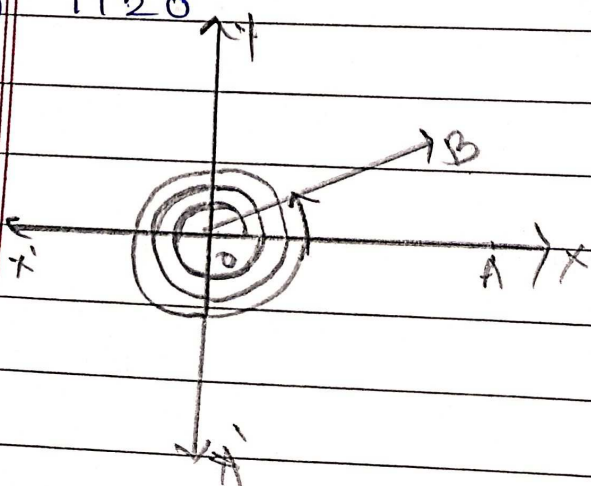
4. 750°

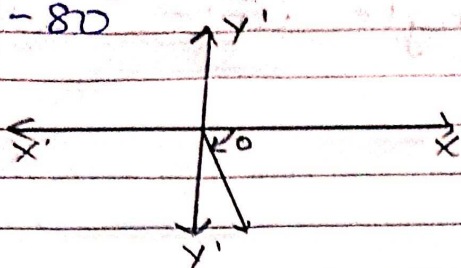
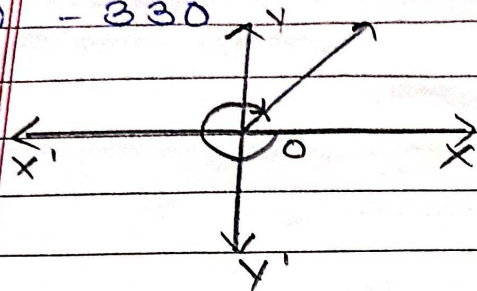
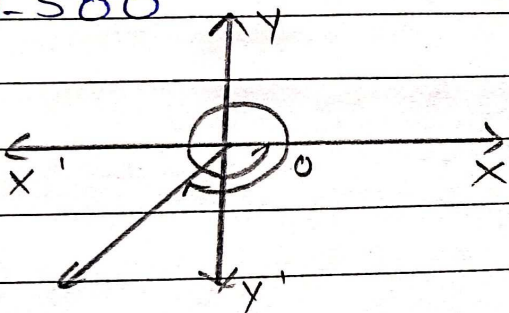


5. 945°



6. 1120°



① -80° ② -330° ③ -500° ⑩ -820° 