8, 05 23 Clocks +105× Modal 1 oi) Find the angle, reflixe angle between how hand and number hand when the thre is at 4hrs 40min. Note: $0 = \left| \frac{11M}{2} - 30H \right| = 10$ $0 = \left| \frac{20}{21} (40) - 30(4) \right| 8$ 0 = 20-120 = 1000 reflexine angle = 360-100 = 260° Namber of Position Angle difference times, occurs name 12hx 24hr 1hr 1. Coincide together 1. Right argles Opposite (or) Straight 180 not tegether

Modal 2 02) At what time between 4 and 5 bots hands are coinciding? Ihr gap. And $O = \left| \frac{11M}{2} - 30H \right|$ 0 = 11M - 30(4) $M = \frac{240min}{11}$ 11M = \$0240 M/50 $M = 219 m_{x_1} \frac{9}{11}$ past 4 231 Model 3 03.] 4 and 5 night angles $\theta = \left| \frac{11M}{2} - 30H \right|$ 7 hr 90 = 11M - 120 $\frac{11M}{2} = 210$ 0038 11/423 M = 420M = 38 = Kin past 90=HM-150 => IIM = 240

$$0 = |30H - 11M|$$
 $90 = |20 - 11M|$
 $1| 60|$
 $1| M = 30$
 $1| M = 60 = 55 \text{ min past 4.}$

Modal 4.

Modal 4.

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Model 5

15) At what time between 4 and 5 ver both hands be 18 min apart.

Adn 0=18 × 360 = 108°

 $108 = \frac{11M}{2} - 120$ 11M = 228 M = 456145131 3514 30 -4/14

M= 41 5 min past 4.

0-51 - WILL