

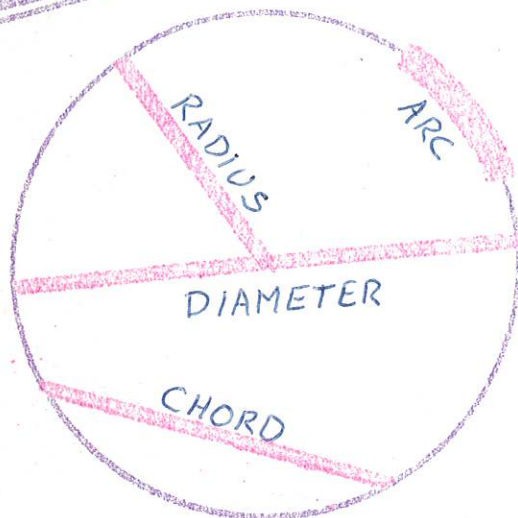
TEST

NAME: MR M HANSEN

CIRCLE THEOREMS

2 MARKS FOR EACH ANSWER

TOTAL = 100

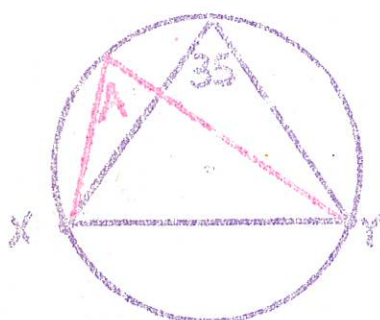


ON THE DIAGRAM SHOWN LEFT
MARK ON THE FOLLOWING

1. THE DIAMETER
2. THE RADIUS
3. THE ARC
4. THE CHORD

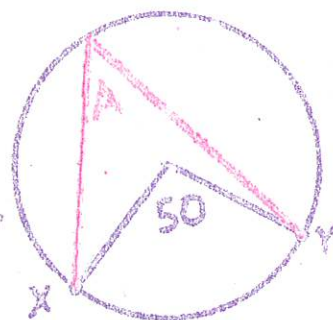
16th MARCH
SH

BASIC THEOREMS : FIND ANGLES A AND B



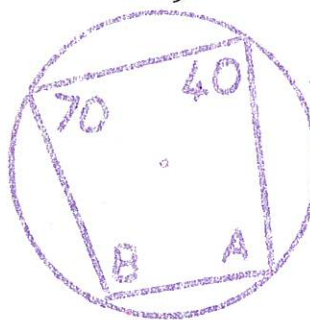
$$A = 35^\circ$$

$$B = 35^\circ$$



$$A = 25^\circ$$

$$B = 25^\circ$$



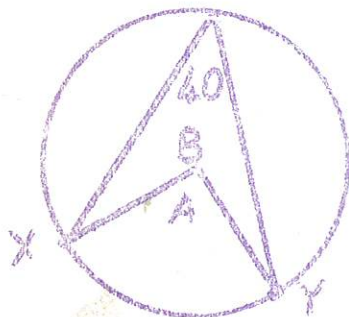
$$A = 110^\circ$$

$$B = 140^\circ$$



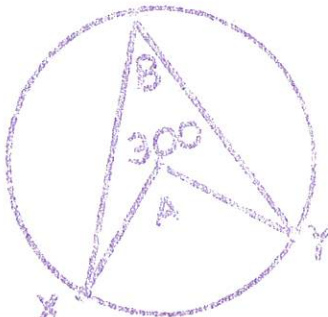
$$A = 90^\circ$$

$$B = 90^\circ$$



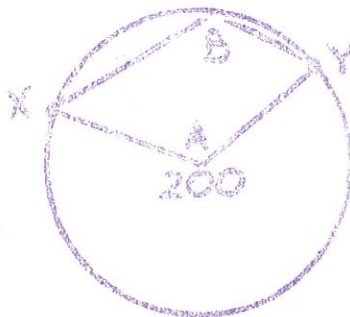
$$A = 80^\circ$$

$$B = 280^\circ$$



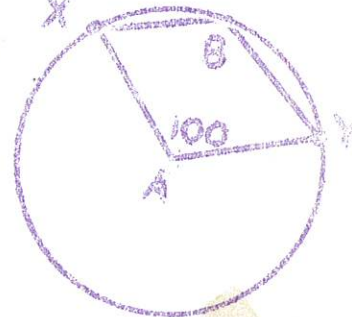
$$A = 60^\circ$$

$$B = 30^\circ$$



$$A = 160^\circ$$

$$B = 100^\circ$$



$$A = 260^\circ$$

$$B = 130^\circ$$

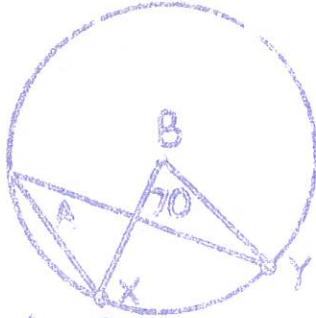
BASIC THEOREM PROBLEMS

03 OCT 1983



$$A = 42^\circ$$

$$B = 276^\circ$$



$$A = 35^\circ$$

$$B = 290^\circ$$



$$A = 90^\circ$$

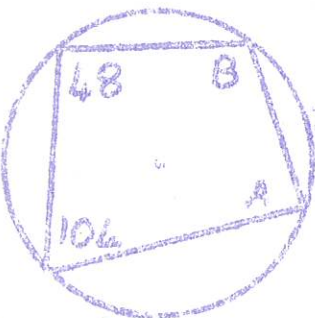
$$B = 90^\circ$$



$$A = 120^\circ$$

$$B = 60^\circ$$

CYCLIC QUADRILATERAL PROBLEMS



$$A = 132^\circ$$

$$B = 76^\circ$$



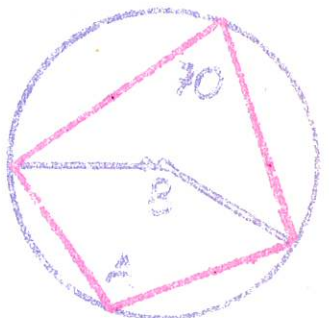
$$A = 75^\circ$$

$$B = 105^\circ$$



$$A = 60^\circ$$

$$B = 120^\circ$$



$$A = 110^\circ$$

$$B = 35^\circ$$

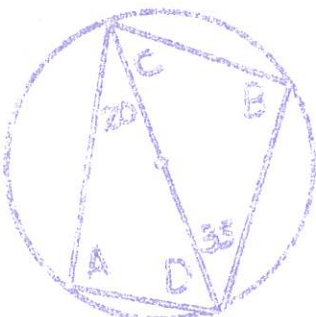
$$140^\circ$$

PROBLEMS WITH A DIAMETER



$$A = 90^\circ$$

$$B = 40^\circ$$



$$A = 90^\circ$$

$$B = 90^\circ$$

$$C = 45^\circ$$

$$D = 55^\circ$$

$$E = 70^\circ$$



$$A = 20^\circ$$

$$B = 140^\circ$$

$$C = 20^\circ$$



$$A = 30^\circ$$

$$B = 120^\circ$$

$$C = 30^\circ$$

$$D = 60^\circ$$

$$E = 60^\circ$$