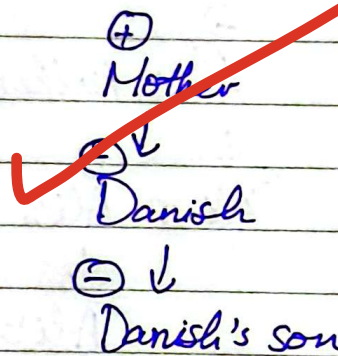# Math Homework
3- Part A

Q1 Pointing at a photo, Danish said, "His father is the only son of my mother". The photo belongs to ?

- My mother → Danish's mother
- The only son of my of mother → His father / Danish himself
- The son.

$\oplus$
Mother
$\ominus$ ↓
Danish
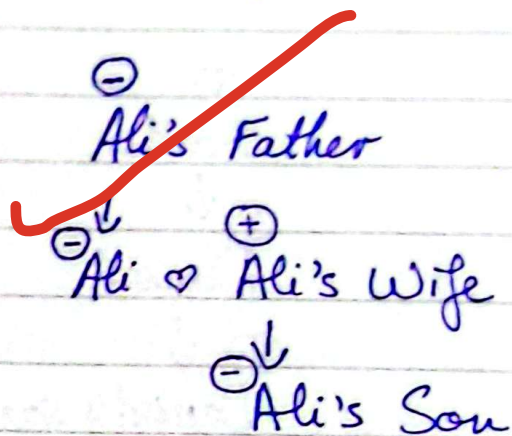$\ominus$ ↓
Danish's son

- $\oplus$ to represent females, $\ominus$ to represent Males.

- So if we assume Danish is the father (since he is stated as being the only son, that means the picture is of Danish's son.

Q2) Looking at a portrait of a man, Ali said, 'His mother is the wife of my father's son. Brother and sister I have none". At whose portrait was Ali looking?

- Ali doesn't have any siblings / only child
- My father's son = Ali himself
- His mother = Ali's wife
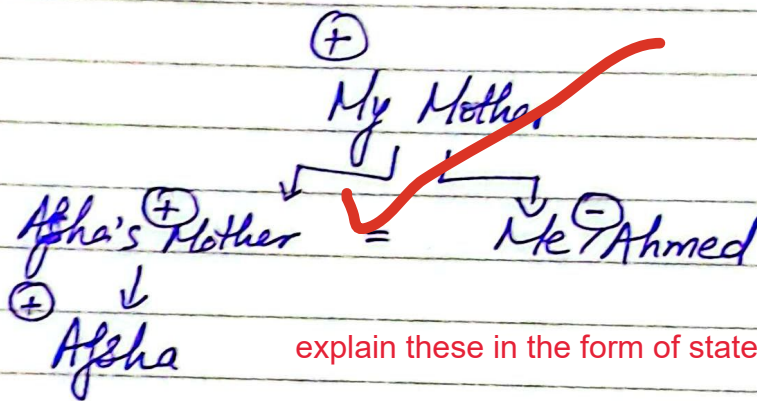
$$\ominus$$
Ali's Father

$$\ominus \quad\quad \oplus$$
Ali ♡ Ali's Wife

$$\ominus$$
Ali's Son

- $\ominus$ Represents Males, $\oplus$ Represents Females, ♡ Represents marriage.

- This means that Ali was looking at a portrait of his son.

Q3 If Ahmed says, 'Afsha's mother is the only daughter of my mother', how is Ahmad related to Afsha?

- Ahmeds mother's only daughter = Afsha's Mother
- Ahmed's sister = Afsha's Mother

$$\oplus$$
My Mother

Afsha's $\oplus$ Mother = Me/Ahmed $\ominus$

$\oplus$ ↓
Afsha

explain these in the form of statements as well.

- $\oplus$ Represents Females, $\ominus$ Represents Males, = Represents siblings.

- So by this logic, Ahmed would be Afsha's Maternal Uncle.