

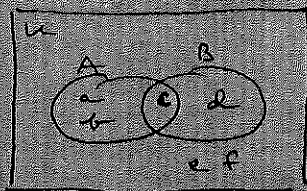
Section/Lesson Title: SET NOTATION

Materials: TEXT (THINKING MATHEMATICALLY)

HW# 1.6 p. 76 #1, 3, 7, 12, 67-78, 96, 123-132

Reflections:

I SET NOTATION



$U$  = UNIVERSAL SET

$$\{a, b, c, d, e, f\}$$

$$A = \{a, b, c\}$$

$$B = \{c, d\}$$

"NOT"

COMPLEMENT = ELEMENTS NOT IN THE SET

$$A' = \{d, e, f\}$$

"AND"

INTERSECTION = ELEMENTS IN BOTH SETS

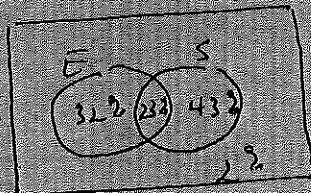
$$A \cap B = \{c\}$$

"OR"

UNION = ELEMENTS IN ONE SET OR THE OTHER

$$A \cup B = \{a, b, c, d\}$$

II



LANGUAGE SPEAKERS

AT HOME IN LOS ANGELES

$E$  = ENGLISH       $S$  = SPANISH

FIND

$$S = 662$$

$$E = 552$$

$$S' = 342$$

$$E' = 452$$

$$S \cap E = 232$$

$$S \cup E = 982$$

$$S \cap E' = 432$$

$$S' \cap E = 322$$

$$(S \cap E)' = 772$$

$$(S \cup E)' = 22$$