

III. Examples (pp.76-77): Exercises #~~8,14,50,60,68~~

IV. Discriminant (p.71):

“ $b^2 - 4ac$ ” ← “radicand” in the quadratic formula
that indicates type of roots/solutions

		roots/solutions are...
$b^2 - 4ac$	> 0 (positive)	two distinct real #'s
	0	one repeated real #
	< 0 (negative)	complex conjugates

V. Quadratic Regression (p.85): omitted

HW: pp.76-78 / Exercises #~~5-23(odd),41-53(every other odd)~~,57,61,63,65,69,77,79,87,93,95,103

I. \mathbb{R} (real#) line Intervals –

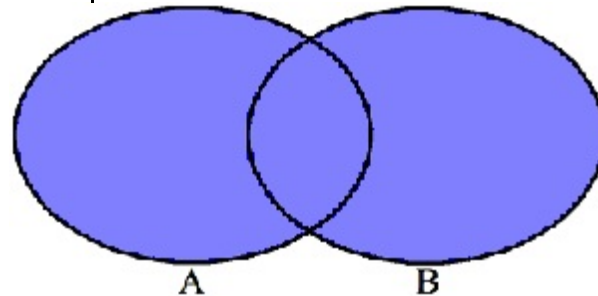
1. Notations & graphs:

see Summary boxes on p.82, p.85

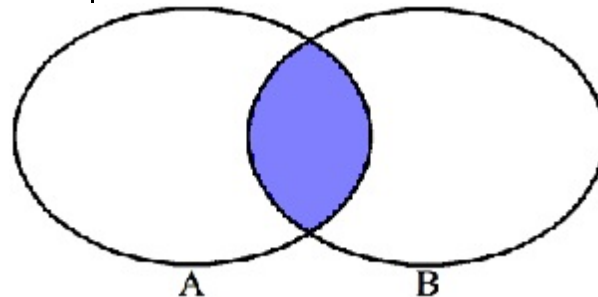
2. Examples (p.90): Exercises #2,14,20

II. Set Union (\cup) vs Intersection (\cap):

1. $A \cup B = \{x \mid x \in A \text{ or } x \in B\}$



2. $A \cap B = \{x \mid x \in A \text{ and } x \in B\}$



III. Examples (p.91): Exercises #30,32

~~IV. Absolute Value Inequalities –~~

~~1. Notations & graphs:~~

~~see Summary box on p.88~~

~~2. Examples (pp.91-92):~~

~~Exercises #54,58,80,82~~

HW: Read section 1.8 (pp.82-89)

pp.90-92 / Exercises #1-19(odd),25-~~81~~(every
other odd),~~83,91,93~~