

BE-1A | TUESDAY 9-12-06

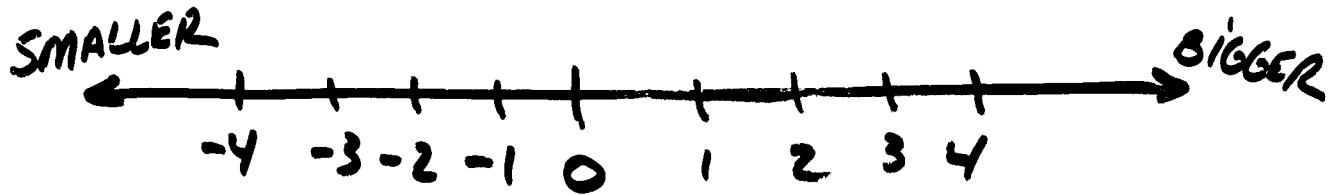
Finish your problems from
yesterday's classwork/homework.

You have about 5-10 minutes.

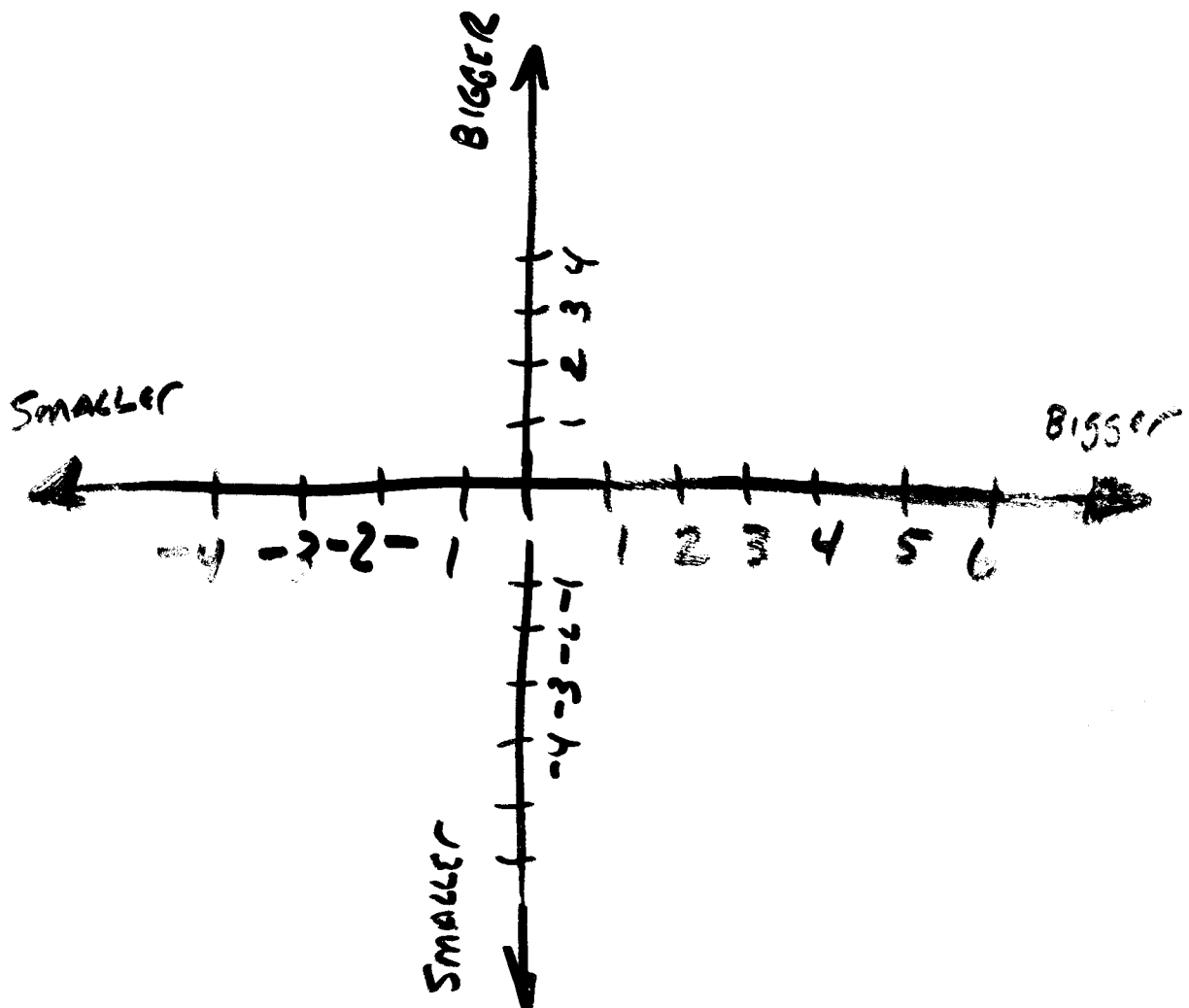
Or have your "reasons"
ready to hand in.

①

LOOK AT A NUMBER LINE:



PUT 2 NUMBER LINES AT RIGHT ANGLES,
this forms A COORDINATE SYSTEM



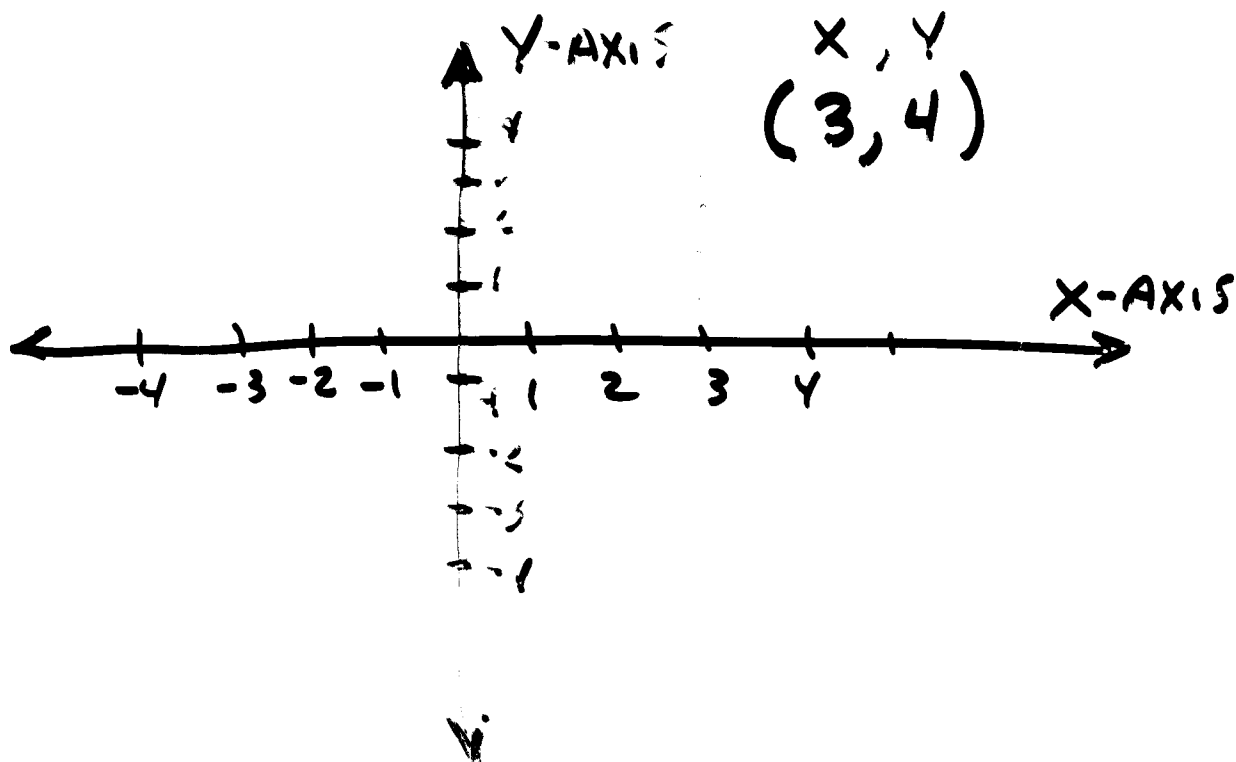
②

Any point on the COORDINATE PLANE
can be named using 2 numbers
called an ORDERED PAIR

(FIRST NUMBER
OF
COORDINATE) SECOND NUMBER
OF
COORDINATE)

↔ POSITION ON
HORIZONTAL
NUMBER LINE ,
called the
X-AXIS

↑ POSITION ON
VERTICAL
NUMBER LINE
called the
Y-AXIS



To Plot (graph) points

- Start at $(0, 0) = \text{ORIGIN}$

- MOVE in X direction 

- WITHOUT going back to origin, move in the Y direction



(x, y)



X-COORDINATE

Y-COORDINATE

CARTESIAN COORDINATE PLANE

DesCartes

"DAY-CART"

Ex)

$(1, 3)$

$(-2, 6)$

$(4, -5)$

}

$(-3, -3)$

$(5, 0)$

$(0, 2)$

④

