USE GRAPH PAPER.

BE-1A MONDAY 2-26-07

ON THE SAME graph, MAKE A NEAT graph OF THE FOLLOWING lines:

① $y = 2x + 4$

② $y = 2x - 1$

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③ Compare THE graphs you MADE ABOVE, WRITE DOWN your OBSERVATIONS.

ON THE SAME graph: (NEW graph)

④ $y = \frac{1}{3}x + 2$

⑤ $y = -3x + 2$

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⑥ Compare ④ : ⑤, WRITE OBSERVATIONS.

PARALLEL LINES — SAME SLOPE

$m_{\parallel}$

PARALLEL LINES NEVER MEET

PERPENDICULAR LINES — SLOPES ARE RECIPROCAL AND OPPOSITE IN SIGN

$m_{\perp}$

"NEGATIVE RECIPROCALS"

PERPENDICULAR LINES MEET AT 90°

90° = right angle

EXAMPLES ⇒ FIND EQL'S THAT ARE PARALLEL TO OR PERPENDICULAR TO A GIVEN EQN.

(Pg 295 # 6, 7, 9, 10)

Read Ch 5-6 • Pg 296 # 13-15, 28-30