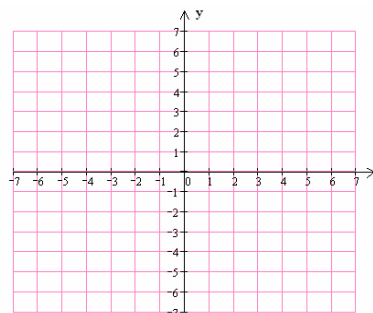


MATH2 (814012) – SPRING 2006

QUIZ # (1)

Question (1): Find the slope that passes through the points $(2, -2)$, $(-1, 5)$ and **graph** the line on the given coordinate system.



Question (2): Determine, without graphing, whether the lines L_1 and L_2 are parallel, perpendicular, or neither. $L_1: (-3, 4), (2, 0)$ and $L_2: (2, -4), (6, 1)$

Question (3): Given the equation of the line, find **the slope**, **the y- intercept** and **the x- intercept**– **decide** from the slope value of the line if the line is increasing, decreasing, horizontal or vertical.

1. $L_1: 4x - 3y = 8$

2. $L_2: 3(x - 2) + 4 = 0$

Question (4): Find the equation of the line that passes through the points (3,5) and (5,8) . Write your answer **in the standard form** (using only integer coefficients).

Question (5): Find the equation of the line that passes through the point (2,-1) and perpendicular to the line $L: \frac{1}{2}x - y = 3$. Write your answer in **slope-intercept form**.

Good Luck

Mahmoud Syam