Name:_____   Foundations Weekly #24

Show all work for full credit.   **There are 3 more questions on the back!!**
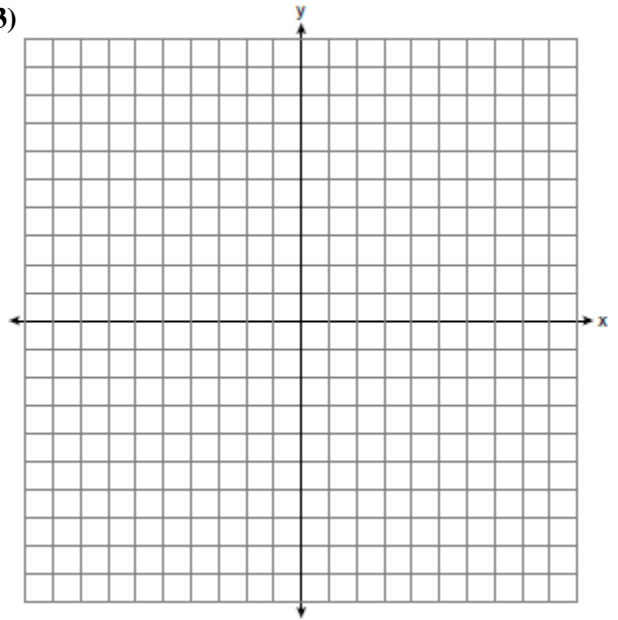
1.) $y = 3x + k$ What is x expressed in terms of y *and* k?   **(Notes #21-22)**

2.) Solve the system of equations graphically: **(Notes #43)**

$y = 3x + 9$
$y = -\dfrac{1}{2}x - 5$

3.) Write an equation that represents the line that passes through the points $(1, 0)$ *and* $(-2, 6)$. **(Notes #35)**

4.) What is the solution of the inequality $-6x - 17 \geq 8x + 25$?   **(Notes #8)**

5.) The equation $3(4x) = (4x)3$ illustrates which property?   **(Notes #1)**

6.) When $3g^2 - 4g + 2$ is subtracted from $7g^2 + 5g - 1$, the difference is   **(Notes #69)**