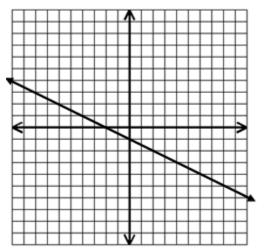
INTERPRETING CHANGES IN SLOPE AND INTERCEPTS – DAY 3

The graph shown contains the points (8, -5) and (-6, 2):

Original Equation:



1. If the slope of the line is multiplied by -1 2. Which best describes the effect on the x-intercept of the graph of $y = -\frac{1}{2}x - 1$ if and the y-intercept decreases by 2 units, what would be the linear equation that represents the slope changes to $\frac{1}{2}$? these changes? Original: $y = -\frac{1}{2}x - 1$ New: *y* = _____ A. The x-intercept remains the same, and the new line is translated upward. The slope changes from _____ to _____. B. The x-intercept becomes negative, and the Do the lines intersect? yes / no new line is parallel to the original line. If so, where do they intersect? C. The x-intercept remains the same, and the new line is translated downward. The x-intercept increases / decreases. The new line is units above / below the D. The x-intercept becomes positive, and the original. new line intersects the original line. The new is less steep than the original. T / F

