Day 4 – Slopes   **Name: _____**
Practice Assignment   **Date: _____ Block: _____**
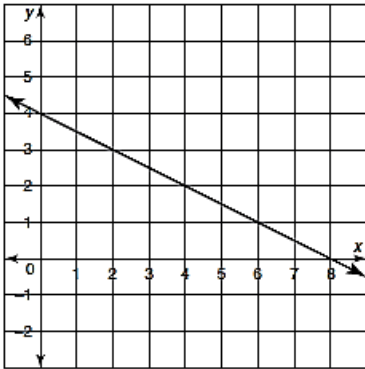
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1. Calculate the slope and y-intercept from each graph.

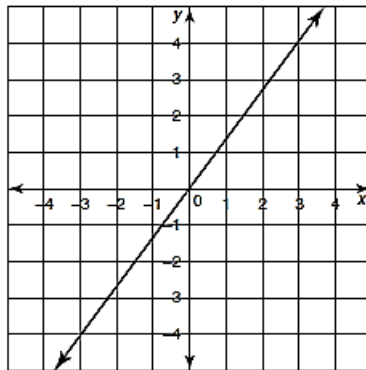A.   Slope = _____   B.   Slope = _____   C.   Slope = _____
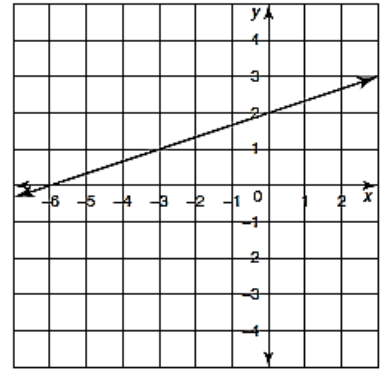
        Y-int = _____   Y-int = _____   Y-int = _____

2. Calculate the slope/rate of change from the table. Then calculate a "unit" rate of change and interpret its meaning.

A.   B.
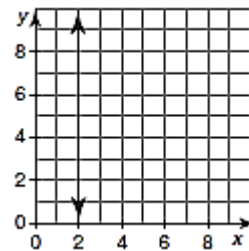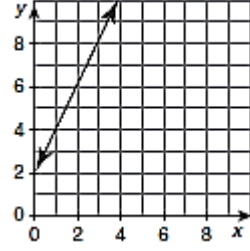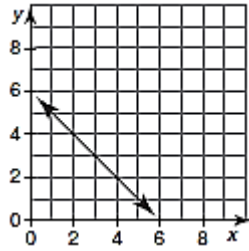
Number of Touchdowns	Total Points Scored
2	12
3	18
4	24
5	30

Number of Lawns	Total Earned (in Dollars)
3	25.50
5	42.50
7	59.50
9	76.50

3. Calculate the slope from a set a points.
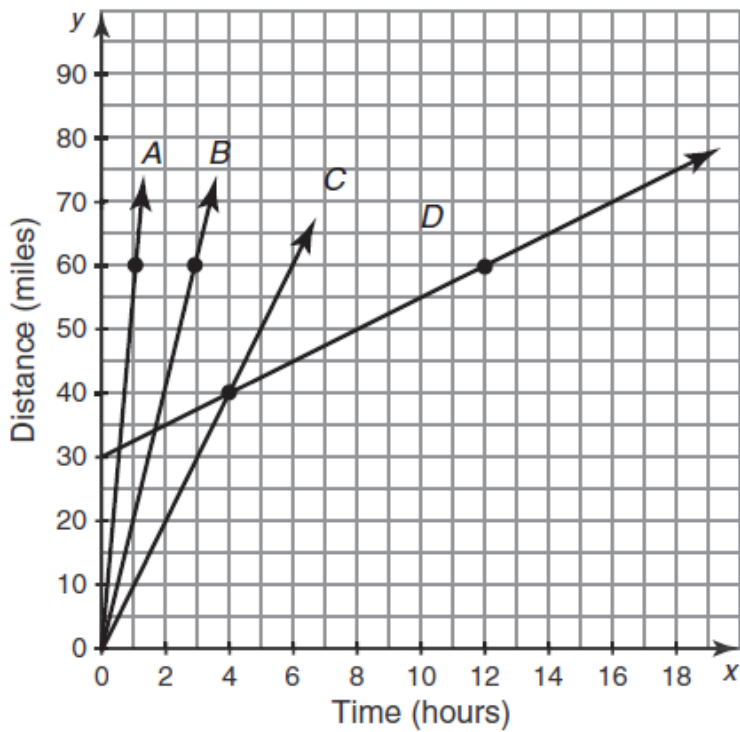
a. (-1, -24) & (2, 48)   b. (4, -20) & (-10, 50)

4. Determine if the slopes are positive, negative, undefined, or zero.
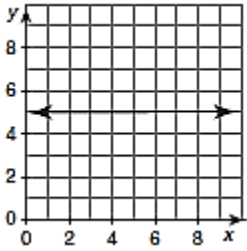
5. The graph shown represents the distance four cars travel over time. Calculate the rate of change (slope) and then the unit rate of change for each car.

Car A: Car B: Car C: Car D:

b. Describe how the steepness of the line is related to the rate of change.