

Homework for Precalc

- 1) Predictions using linear equations:
 - The sales per share for Starbucks Corporation in 2001 were \$6.97. In 2002 they were \$8.47. Using this information, write a linear equation representing the sales per share for any year.
 - Predict what the sales per share were in 2007.(Hint: Let 1 represent 2001)
- 2) Find the slope of a line that passes through the points (0, 4) & (1, -1).
- 3) Write the slope-intercept form of the equation of the line that passes through the points
 - a. (-3,5) & (7, -11).
 - b. (-1,4) & (6,4))
 - c. (4,-2) & (4,6)
- 4) Write the slope intercept form of the equation of a line that passes through (2, -1) and is parallel to the equation $2x - 3y = 5$.
- 5) Write the slope intercept form of the equation of a line that passes through (2, -1) and is perpendicular to the equation $2x - 3y = 5$.
- 6) Write the standard form of the equation of a circle that has a diameter with endpoints (-4, 3) & (7, -1). If you don't remember the standard form of the equation of a circle, look it up on-line!