

Friday, April 29, 2016

Unit 6: Ch. 9 Test Review

How to prepare for the test:

- **Complete today's Ch. 9 Test Review HW** -- correct it using the answer key posted on Edmodo afterwards, and review the sections you missed problems from.
- **Complete your HW corrections from any assignment from 9.1-9.4.**
- **Work on Unit 6 Khan Academy exercises for Ch. 9.**
- **Review individual 9.1-9.4 section notes.**

9.1 Scatter Plots (HW: p. 401 #1-4)

You should be able to...

- construct and interpret scatter plots.
- describe patterns in scatter plots.

Key Vocabulary:

- scatter plots
- terms for describing patterns in scatter plots:
 - > positive linear relationship
 - > negative linear relationship
 - > nonlinear relationship
 - > no relationship
 - > outliers, gaps, clusters

9.2 Lines of Fit (HW: p. 402 #5-6)

You should be able to...

- find lines of fit.
 - > Doesn't need to go through points
 - > Try to have as many points above the line as below.
- use lines of fit to solve problems.
 - > Write an equation for the line.
 - > Interpret the y-intercept & slope.
 - > Use the equation / graph to make predictions.

Key Vocabulary:

- line of fit
- line of best fit

9.3 Two-Way Tables (HW: p. 403 #7-9)

You should be able to...

- read two-way tables.
- make and interpret two-way tables.
 - > What does each joint frequency mean? Marginal frequency?
 - > Is there a relationship between the two categories of data? (Use percentages to check.)

Key Vocabulary:

- two-way table
- joint frequency
- marginal frequencies

9.4 Choosing a Data Display (HW: p. 404 #10-11)

You should be able to...

- choose appropriate data displays.
 - > Which data display can be used?
 - > Which data display serves my purpose?
- identify and analyze misleading data displays.
 - > Axis break, increments, proportions

Key Vocabulary:

- pictograph
- bar graph
- circle graph
- line graph
- histogram
- stem-and-leaf plot
- box-and-whisker plot
- dot plot
- scatter plot