

**2012 KCTCS General Education Student Learning Outcomes  
Henderson Community College Scoring Rubric: Quantitative Reasoning Skills**

**Upon completion of a degree, certificate, diploma, and/or completion of specific courses, the student will apply learning in academic, personal, and public settings to:**

**Quantitative Reasoning Skills**

SLOs	Rating	Descriptives			
		4	3	2	1
<b>Illustrate and communicate mathematical and/or statistical information symbolically, visually and/or numerically</b>		Represents mathematical/statistical information in a clear and concise manner	Represents mathematical/statistical information but makes minor errors or lacks clarity and/or precision	Inconsistently represents mathematical/statistical information and lacks clarity and precision	Rarely represents mathematical/statistical information and lacks clarity and precision
<b>Apply an appropriate model to the problem to be solved</b>		Accurately applies a model to the problem to be solved appropriately and/or in a creative manner	Accurately applies a model to the problem to be solved but lacks support or justification and/or contains minor calculation errors	Presents an appropriate model but makes major mistakes in its application or significant calculation errors	Presents an inappropriate model for the problem to be solved
<b>Determine when computations are needed and execute the appropriate computations</b>		Consistently determines when computations are needed and makes no errors in computations	Often determines when computations are needed but makes occasional errors in computations	Inconsistently determines when computations are needed and/or makes errors in computations	Rarely determines when computations are needed and/or makes many errors in computations
<b>Make inferences, evaluate assumptions, and assess limitations in estimation modeling and/or statistical analysis</b>		Consistently distinguishes problems and evaluates assumptions using statistical analysis and/or modeling	Often distinguishes problems and evaluates assumptions using statistical analysis and/or modeling	Occasionally distinguishes problems and evaluates assumptions using statistical analysis and/or modeling	Rarely distinguishes problems and evaluates assumptions using statistical analysis and/or modeling
<b>Interpret information presented in mathematical and/or statistical forms</b>		Consistently interprets information when presented in mathematical and/or statistical form	Often interprets information presented in mathematical and/or statistical form	Inconsistently interprets information presented in mathematical and/or statistical form	Rarely interprets information presented in mathematical and/or statistical form