

**“College Readiness”**  
**(Course Expectation Rubric in PROBLEM SOLVING/MATHEMATICS)**

**Problem Solving/Mathematics**

- a) Understands problems
- b) Identifies knowns and unknowns
- c) Selects appropriate strategies:
  - 1) Diagrams, charts, tables, organize, estimate, graphs, etc.
  - 2) Translate to mathematical expression(s)
- d) Solving, computation, simplifying, etc.
- e) Checks work
- f) Answers questions
- g) Presentation of work

	Beginning <u>1.0</u>	Developing <u>2.0</u>	Accomplished <u>3.0</u>	Exemplary <u>4.0</u>
(a)	Does not restate problems in own words	Restates problems but incompletely	Explains problems completely to others	Explains to others and made connections to different situations
(b)	Does not identify unknowns	Does not use variables or uses one incorrectly	Uses unknowns correctly	Identifies unknowns & labels them appropriately
(c1)	Does not organize or visualize information	Uses information but incorrectly	Does use correctly	Organizes and uses most appropriate visuals correctly & well-labeled
(c2)	Does not write math expressions	Writes math expressions, but has incorrect major	Writes math expressions—minor mistakes	Writes perfect math expressions
(d)	Does not simplify or perform tasks	Does computations—major errors	Does computations—minor errors	Does perfect computations
(e)	Does not check work	Checks for computational errors, but incorrect	Checks for computational errors or reasonableness	Checks for computational errors <u>and</u> reasonableness
(f)	Does not state answers	Incomplete sentences, no labels	States the answer—no frills	Presents answers showing understanding problems
(g)	Work is very sloppy and not organized	Work not well-organized—readable	Work legible and organized	Text book quality work—organized, neat, stapled