

Goal Area	Objectives (you would select 2-3 objectives that are the most critical for the student):
Example with parentheses - first year only: Given a problem to solve (fractions, equations, variables, operations) the student will explain and justify their reasoning.	*Be sure to include givens (i.e. given a problem to solve) *Be sure to include necessary prompts *Be sure to include criteria for each objective
Examples of the goal above adjusted for specific students:	Possible Objectives:
(Specify prompts as needed) {FirstName} will make sense of given problems and persevere in solving them.	justify the manner in which data is displayed
Given a problem involving geometric reasoning (specify prompts as needed), {FirstName} will explain and justify {his,her} reasoning.	select the most appropriate display of data
Given a problem involving algebraic reasoning (specify prompts as needed), {FirstName} will explain and justify {his,her} reasoning.	will explain the correspondence between given equations, tables, graphs, verbal descriptions, visual models, and/or data
Given a problem involving fractional reasoning (specify prompts as needed), {FirstName} will explain and justify {his,her} reasoning. (Fractional reasoning includes fractions, statistics, proportions,	represent data as equations
Given a multiple step problem to solve (specify prompts as needed), {FirstName} will explain and justify {his,her} reasoning.	represent data as tables
Given a single step problem to solve (specify prompts as needed), {FirstName} will explain and justify {his,her} reasoning.	represent data as graphs
Given a problem to solve (fractions, equations, variables, operations) (specify prompts as needed), {FirstName} will explain and justify {his,her} reasoning.	represent data as verbal descriptions
Given a problem to solve (specify prompts as needed), {FirstName} will explain {his,her} reasoning.	represent data as visual models
Given a problem to solve (specify prompts as needed), {FirstName} will justify {his,her} reasoning.	search for regularity, patterns, or trends in a data set
	critique the progress of others
	justify the progress of others
	explain the progress of others
	critique the solution path of others
	justify his/her progress
	explain his/her progress
	discuss his/her progress on a problem with others
	monitor and evaluate his/her progress
	explain multiple ways to solve a problem
	explain one way to solve a problem
	demonstrate multiple ways to solve a problem
	represent a problem abstractly
	represent a problem pictorially
	represent a problem concretely
	explain the errors in his/her solution path
	find the errors in his/her solution path
	try special cases or simpler forms to gain insight to solving a problem (criteria). (They hypothesize and test conjectures)
	choose a new solution path if he/she determines his/her answer is not reasonable
	determine whether or not his/her solution to a given problem is reasonable
	justify his/her numerical estimation of the solution
	numerically estimate the solution
	predict whether the solution should be a larger or smaller quantity than the variables
	explain why he/she chose his/her solution path
	choose a solution path
	identify what the problem is asking
	analyze information (givens, constrains, relationships, goals)
	make sense of quantities and relationships
	explain the variables
	identify the variables