

Course SLO ASSESSMENT REPORT, SCC

Department: Mathematics Course: 081

Year: 2011 Semester: Spring

1) Outcome to be assessed	2) Means of assessment and criteria of success	3) Summary of data collected	4) Analysis of data	5) Plan of action/what to do next
<p>4. Graph linear, quadratic, absolute value and power functions, apply graphing transformations and find the equation of linear functions given appropriate information 2. expressions</p>	<p>-Random sampling of 5 exams from each section of math 081 -Graph a quadratic function in vertex form was the problem.. -0-4 scale was used for data collection: 0=completely wrong or blank. 1= parabolic shape but nothing else correct. 2= Correct shape and labeling, but the algebra resulted in incorrect labels. 3=Mostly correct except perhaps one minor mistake. 4=Completely correct.</p>	<p>0: 15 1: 5 2: 9 3: 9 4: 27</p> <p>- Mean =2.43 -42 % perfect - 55 % 3 or better -23 % had no idea of what the shape was</p>	<p>Most of the students knew what shape was to be graphed, but less than half were able to complete the problem. Considering the class we are analyzing, this is not terrible, but can be improved on. I think the students need to prepare better for the intricacies involved in graphing. They may be focusing only on shape and not the rest.</p>	<p>Emphasize all aspects of graphing whether working with quadratics or other graphs. Focus on shape, intercepts, effects of transformations and interpreting graphs. I think this would help the students who knew the shape to complete the problem.</p>

11/28/11