

Chapter 7 Problem Wrap-Up Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	<ul style="list-style-type: none"> demonstrates limited knowledge of the properties of similar triangles and trigonometric ratios 	<ul style="list-style-type: none"> demonstrates some knowledge of the properties of similar triangles and trigonometric ratios 	<ul style="list-style-type: none"> demonstrates considerable knowledge of the properties of similar triangles and trigonometric ratios 	<ul style="list-style-type: none"> demonstrates thorough knowledge of the properties of similar triangles and trigonometric ratios
Thinking	<ul style="list-style-type: none"> uses planning and critical thinking processes with limited effectiveness (e.g., little evidence of recognition of relationships in parts b) to d)) 	<ul style="list-style-type: none"> uses planning and critical thinking processes with some effectiveness (e.g., some evidence of recognition of relationships in parts b) to d)) 	<ul style="list-style-type: none"> uses planning and critical thinking processes with considerable effectiveness (e.g., considerable evidence of recognition of relationships in parts b) to d); considerable evidence of well-organized and constructed mathematical arguments) 	<ul style="list-style-type: none"> uses planning and critical thinking processes very effectively (e.g., detailed evidence of recognition of relationships in parts b) to d); detailed evidence of well-organized and constructed mathematical arguments)
Communication	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with limited effectiveness uses mathematical vocabulary and notation with limited effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with some effectiveness uses mathematical vocabulary and notation with some effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with considerable effectiveness uses mathematical vocabulary and notation with considerable effectiveness (e.g., uses good form for presenting solutions) 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with a high degree of effectiveness uses mathematical vocabulary and notation with a high degree of effectiveness (e.g., uses very good form for presenting solutions)
Application	<ul style="list-style-type: none"> applies knowledge of properties of similar triangles and trigonometric ratios with limited effectiveness 	<ul style="list-style-type: none"> applies knowledge of properties of similar triangles and trigonometric ratios with some effectiveness 	<ul style="list-style-type: none"> applies knowledge of properties of similar triangles and trigonometric ratios with considerable effectiveness 	<ul style="list-style-type: none"> applies knowledge of properties of similar triangles and trigonometric ratios with a high degree of effectiveness