

Chapter 8 Problem Wrap-Up Rubric

BLM 8-9

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> • solves the inequalities • graphs the functions 	<ul style="list-style-type: none"> • demonstrates limited understanding of modelling functions, by incorrectly solving the inequalities and producing inaccurate graphs without labels 	<ul style="list-style-type: none"> • demonstrates some understanding of modelling functions, by incorrectly solving one of the inequalities and producing accurate graphs without labels 	<ul style="list-style-type: none"> • demonstrates considerable understanding of modelling functions, by correctly solving the inequalities and producing accurate graphs with labels 	<ul style="list-style-type: none"> • demonstrates thorough understanding of modelling functions, by correctly solving the inequalities and producing accurate, fully labelled graphs using technology
Thinking/Inquiry/Problem Solving <ul style="list-style-type: none"> • prepares a plan to solve the problem • carries out the plan 	<ul style="list-style-type: none"> • needs extensive assistance to begin organizing a plan and needs clearly laid out steps to follow 	<ul style="list-style-type: none"> • needs some assistance to begin organizing a plan and needs some steps to follow 	<ul style="list-style-type: none"> • needs minimal assistance to organize and implement an effective strategy 	<ul style="list-style-type: none"> • needs no assistance to organize and implement an effective strategy
Communication <ul style="list-style-type: none"> • correctly uses mathematical language • clearly explains and fully justifies solution 	<ul style="list-style-type: none"> • maintains the correct language in some of the solution • does not clearly explain or justify solution 	<ul style="list-style-type: none"> • maintains the correct language throughout most of the solution • explains and justifies solution somewhat 	<ul style="list-style-type: none"> • maintains the correct language throughout the solution • explains and justifies solution fully 	<ul style="list-style-type: none"> • maintains the correct language throughout the solution • explains, justifies and shows insight into the complexities of the solution
Application <ul style="list-style-type: none"> • interprets the inequalities • identifies the point of intersection 	<ul style="list-style-type: none"> • interprets the information ineffectually, by not explaining what the inequalities mean and misidentifying the point of intersection 	<ul style="list-style-type: none"> • interprets the information somewhat effectually, by explaining what one of the inequalities means and identifying the point of intersection without an explanation of the coordinates 	<ul style="list-style-type: none"> • interprets the information with considerable effectiveness, by explaining what both of the inequalities mean and identifying the point of intersection with an explanation of the coordinates 	<ul style="list-style-type: none"> • interprets the information with a high degree of effectiveness, by fully explaining what both of the inequalities mean and identifying the point of intersection with a full explanation of the coordinates