

Chapter 3 Assessment Answer Key

Page 173, Open-Ended Assessment Scoring Rubric

Score	General Description	Specific Criteria
4	Superior A correct solution that is supported by well-developed, accurate explanations	<ul style="list-style-type: none"> Shows thorough understanding of <i>using the relationships between lines and their properties, proving lines parallel, identifying and determining angle relationships, finding slope, and graphing parallel and perpendicular lines.</i> Uses appropriate strategies to solve problems. Computations are correct. Written explanations are exemplary. Graphs and figures are accurate and appropriate. Goes beyond requirements of some or all problems.
3	Satisfactory A generally correct solution, but may contain minor flaws in reasoning or computation	<ul style="list-style-type: none"> Shows an understanding of <i>using the relationships between lines and their properties, proving lines parallel, identifying and determining angle relationships, finding slope, and graphing parallel and perpendicular lines.</i> Uses appropriate strategies to solve problems. Computations are mostly correct. Written explanations are effective. Graphs and figures are mostly accurate and appropriate. Satisfies all requirements of problems.
2	Nearly Satisfactory A partially correct interpretation and/or solution to the problem	<ul style="list-style-type: none"> Shows a partial understanding of <i>using the relationships between lines and their properties, proving lines parallel, identifying and determining angle relationships, finding slope, and graphing parallel and perpendicular lines.</i> May not use appropriate strategies to solve problems. Computations are mostly correct. Written explanations are satisfactory. Graphs and figures are mostly accurate. Satisfies the requirements of most of the problems.
1	Nearly Unsatisfactory A correct solution with no supporting evidence or explanation	<ul style="list-style-type: none"> Final computation is correct. No written explanations or work is shown to substantiate the final computation. Graphs and figures may be accurate but lack detail or explanation. Satisfies minimal requirements of some of the problems.
0	Unsatisfactory An incorrect solution indicating no mathematical understanding of the concept or task, or no solution is given	<ul style="list-style-type: none"> Shows little or no understanding of <i>using the relationships between lines and their properties, proving lines parallel, identifying and determining angle relationships, finding slope, and graphing parallel and perpendicular lines.</i> Does not use appropriate strategies to solve problems. Computations are incorrect. Written explanations are unsatisfactory. Graphs and figures are inaccurate or inappropriate. Does not satisfy requirements of problems. No answer may be given.