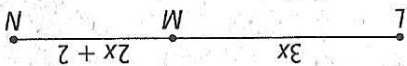


Short Response

For Exercises 9-15, explain how you got your answer.

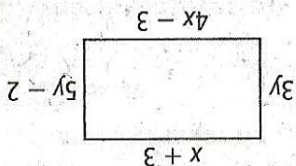
9. What is the length of MN if $LN = 42$?



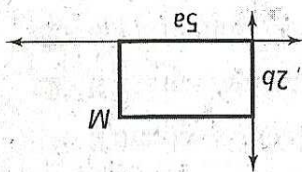
10. What is the midpoint of a segment with endpoints at $(-4, 3)$ and $(2, 5)$?

11. What is the slope of a line that passes through at $(-1, 5)$ and $(4, 5)$?

12. What are the values of x and y for which quadrilateral $ABCD$ is a parallelogram? Explain.



13. What are the coordinates of point M ?



14. What is the measure of an interior angle of a regular octagon? Explain.

15. What condition is necessary to assure that rhombus $LMNO$ is a square?

Extended Response

16. Sketch and label rhombus $ABCD$ and draw diagonal AC . Write a plan for proving $\triangle ABC \cong \triangle CDA$.