

Chapter 3 Review Part 2

All the working/answers should be written in a new page (Good notes)

3.4

Absolute Value (pp. 133–138)

Learning Target: Understand the concept of absolute value.

Find the absolute value.

30. $|-8|$

31. $|13|$

32. $\left|3\frac{6}{7}\right|$

33. $|-1.34|$

Copy and complete the statement using $<$, $>$, or $=$.

34. $|-2|$ 2

35. $|11|$ $|-12|$

36. $|-33|$ 33

Order the values from least to greatest.

37. $-15, |-21|, |19|, -20, 25$

38. $0, |-1|, -2, |2|, -3$

39. Simplify $-|-35|$.

40. A spot-breasted oriole builds a nest 18 feet from the top of a 32-foot-tall tree. Another oriole has a nest 16 feet from the ground. Which nest is closer to the ground? Explain your answer.



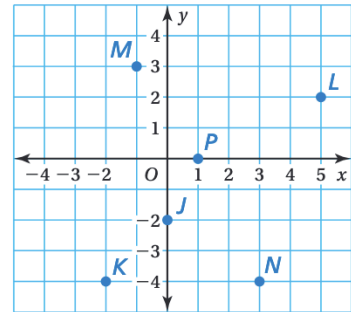
3.5

The Coordinate Plane (pp. 139–146)

Learning Target: Plot and reflect ordered pairs in all four quadrants of a coordinate plane.

Write an ordered pair corresponding to the point.

41. Point J 42. Point K
 43. Point L 44. Point M
 45. Point N 46. Point P



Plot the ordered pair in a coordinate plane.

Describe the location of the point.

47. $A(1, 3)$ 48. $B(0, -3)$

Reflect the point in (a) the x -axis and (b) the y -axis.

49. $(4, 1)$ 50. $(-2, 3)$
 51. A point is reflected in the x -axis. The reflected point is $(3, -9)$. What is the original point?

3.6

Polygons in the Coordinate Plane (pp. 147–152)

Learning Target: Draw polygons in the coordinate plane and find distances between points in the coordinate plane.

Find the distance between the points.

52. $(4, -2), (4, -5)$ 53. $(7, 2), (-4, 2)$
 54. Find the perimeter and the area of the rectangle with vertices $T(2, 7)$, $U(2, 9)$, $V(5, 9)$, and $W(5, 7)$.
 55. You design the quilt shown using a coordinate plane in which the coordinates are measured in inches. The vertices of the quilt are $(-3, 5)$, $(-3, -7)$, $(9, 5)$, and $(9, -7)$.

- a. Find the perimeter and the area of the quilt.
 b. The quilt is made of identical-sized square pieces. What is the area of one of the square pieces?

