Alg 1A
Review 2.1-2.4

Quiz Wed.
MCT Thurs.

Skills and Concepts

Objectives and Examples	Review Exercises

- **Lesson 2–1** Graph integers on a number line and compare and order integers.

  Replace the ● with $<$ or $>$ to make a true sentence.

  $$7 \bullet -3$$

  7 is to the right of -3 on the number line, so $7 > -3$.

Replace each ● with $<$ or $>$ to make a true sentence.

11. $0 \bullet -5$

12. $-3 \bullet 3$

13. $-9 \bullet -7$

14. $|-12| \bullet -12$

15. Order $-4, 7, 4, -2, -3$, and 0 from least to greatest.

16. Order $-15, -23, -18$, and -20 from greatest to least.

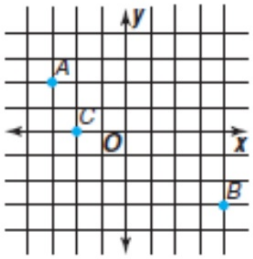
$-15, -18, -20, -23$

$-4, -3, -2, 0, 4, 7$

Objectives and Examples

- **Lesson 2–2** Graph points on a coordinate plane.

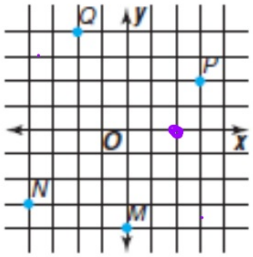
Write the ordered pair that names each point and name the quadrant in which each point is located.



$A(-3, 2)$, II
$B(4, -3)$, IV
$C(-2, 0)$, none

Review Exercises

Write the ordered pair that names each point.



17. P
18. Q
19. N
20. M

Name the quadrant in which each point is located.

21. (6, 10)
22. (−4, 8)
23. (0, −12)
24. (13, −7)

- **Lesson 2–3** Add integers.

Find $-2 + (-3)$.
Both numbers are negative, so the sum is negative.
$-2 + (-3) = -5$

Find $4 + (-12)$.
$|-12| > |4|$, so the sum is negative.
$4 + (-12) = -8$

Find each sum.

25. $8 + (-14)$ **26.** $-7 + 5$
27. $-8 + (-2)$ **28.** $-8 + 8$
29. $23 + (-18)$ **30.** $-14 + (-12)$
31. $-10 + 3 + (-6) + 8$
32. $7 + (-5) + (-7) + 15$

Simplify each expression.

33. $7x + (-5x)$ **34.** $-4y + (-y)$
35. $14m + (-10m)$ **36.** $-31x + 27x$

Smato

• **Lesson 2–4** Subtract integers.

Find $7 - (+3)$.
$7 - (-3) = 7 + 3$ *To subtract −3, add 3.*
$= 10$

Find $-4 - 8$.
$-4 - 8 = -4 + (-8)$ *To subtract 8, add −8.*
$= -12$

Find each difference.

37. $6 + 14$
38. $-11 - (-5)$
39. $4 - (-5)$
40. $-3 - 5$
41. $-6 - (-2)$
42. $10 - (-10)$

Evaluate each expression if $x = 3$, $y = -5$, and $z = -1$.

43. $2 - x$
44. $y - z$
45. $x + y - z$
46. $x - y + z$

$$-3x + 2x + -6x = -7x$$