

**Unit 3: Integers**  
**Review Worksheet ~ Lessons 1-9**

Write a negative or positive number to represent each situation.

1. a gain of \$15
2. a plane descended three hundred feet
3. 56 feet below sea level
4. the temperature went up 34°C

Copy each pair of integers. Compare the integers using the symbols  $<$ ,  $>$ , or  $=$ .

5.  $-76$  \_\_\_\_\_  $-87$
6.  $|-8|$  \_\_\_\_\_  $|8|$
7.  $45$  \_\_\_\_\_  $44$
8.  $-|9|$  \_\_\_\_\_  $|-9|$

9. Order the following integers from greatest to least.

**-8, 8, -6, -5, 4, 0, -7, 7, 6, -2**

10. Order the following integers from least to greatest.

**-32, -75, -14, 18, 0, 56, -12, -23, 25, 34**

Evaluate each expression by adding, subtracting, multiplying, or dividing the integers.

- |               |               |                    |                    |
|---------------|---------------|--------------------|--------------------|
| 11. $2 + 3$   | 15. $7 - 9$   | 19. $5 \times 9$   | 23. $48 \div 8$    |
| 12. $-4 + 5$  | 16. $-4 - 5$  | 20. $-3 \times 7$  | 24. $54 \div -9$   |
| 13. $6 + -8$  | 17. $6 - -3$  | 21. $8 \times -7$  | 25. $-60 \div -12$ |
| 14. $-9 + -3$ | 18. $-8 - -4$ | 22. $-6 \times -8$ | 26. $-45 \div 9$   |

Solve each equation. Show your work. Check your answers.

- |                    |                 |                      |
|--------------------|-----------------|----------------------|
| 27. $-5 + w = -9$  | 29. $-6y = -36$ | 31. $n \div -3 = -6$ |
| 28. $x - -15 = 34$ | 30. $7k = -35$  | 32. $z \div 4 = -24$ |

Simplify the following expressions using order of operations.

33.  $2^2 + -4 - -5 \times -3$                       34.  $(-2)^2 + 6 \times 2 - -3 \times -4 + -7$

35. On a coordinate plane, label the coordinate plane with the following vocabulary words.

Quadrant I	x-axis
Quadrant II	y-axis
Quadrant III	origin
Quadrant IV	

36. On a coordinate plane, graph the triangle with the following vertices. Be sure to label the vertices and draw in the sides of the triangle.

**A (-3, 2)    B(-6, -4)    C( 3, -2)**

37. On a coordinate plane, graph the rectangle with the following vertices. Be sure to label the vertices and draw in the sides of the rectangle. Find the area and the perimeter of the rectangle.

**D (-3, 7)    E(6, 7)    F(6, -5)    G(-3, -5)**