

Integers

Name :

Class :

Write an integer for each situation.

1. a deposit of \$45
2. 5°C below 0
3. a loss of 15 yards

For Exercises 4–6, evaluate each expression.

4. $|-11|$
5. $|4| + |-6|$
6. $|-8| - |-3|$

7. What value of x makes $13 - (-9) = x$ a true sentence?
8. What value of n makes $-7(4) = n$ a true sentence?
9. What value of t makes $(-2) + (-11) = t$ a true sentence?
10. What value of w makes $-24 - (-13) = w$ a true sentence?

Evaluate each expression.

- | | |
|-----------------------|----------------------|
| 14. $-11 - (-3) =$ | 15. $-25 + (-12) =$ |
| 16. $8(-11) =$ | 17. $40 \div (-8) =$ |
| 18. $4 - (-2) =$ | 19. $(-3)^2 =$ |
| 20. $\frac{-6}{-3} =$ | 21. $-7(5) =$ |
| 22. $-6(-4) =$ | 23. $-9 - (-13) =$ |
| 24. $\frac{60}{-3} =$ | 25. $6 - (-3) =$ |
| 26. $(-5)^2 =$ | 27. $-1 + (-11) =$ |
| 28. $-5(-3) =$ | 29. $-6(7) =$ |
| 30. $-8 \div (-4) =$ | 31. $-10 - 7 =$ |

Evaluate each expression if $a = -8$, $b = 5$, and $c = -2$.

1. $8 - (-b)$

2. $16 \div c$

3. $9 + c$

4. $-5(3c)$

5. $ab \div 10$

6. $a + b$

7. ab

8. $a - c$

Evaluate each expression if $x = -4$, $y = 6$, and $z = -3$.

1. $15 - (-y)$

2. $20 \div x$

3. $7 + z$

4. $-2(3z)$

5. xy

6. $x + y$

7. xy

8. $x - z$