

Write Expressions

Write an algebraic expression for the word expression.

1. 47 less than the product of y and 7

2. $\frac{3}{4}$ added to 8 times w

3. q times 11 take away the product of 6 and t

4. the difference between a and 4 divided by the sum of b and 9

5. the product of m and 15 divided by the sum of n and 50

6. k times 12 divided by the product of d and 3

Write a word expression for each.

7. $15 - (r + s)$

8. $\frac{g+5}{t}$

9. $k \times m + 1.5$

10. $\frac{20}{bc}$

11. $7.5n + xy$

12. $de - \frac{1}{2}$

Mixed Review

Find the quotient. Write the answer in simplest form.

13. $\frac{2}{3} \div \frac{1}{4}$

14. $\frac{4}{5} \div \frac{2}{15}$

15. $9 \div \frac{3}{8}$

16. $\frac{3}{7} \div \frac{2}{5}$

Find the difference.

17. $7 - ^{-}10$

18. $^{-}6 - 5$

19. $^{-}12 - ^{-}3$

20. $14 - ^{-}18$

PW60 Practice

Evaluate ExpressionsEvaluate the expression for $x = -5, -1, 0,$ and 3 .

1. $4x - 2$

2. $13 - 2x$

3. $-7 + 5x$

4. $\frac{3}{4} - 3x$

5. $6 + 10(x - 3)$

6. $\frac{12}{x-1} - 8$

7. $25 - x^2$

8. $6x \div -3$

9. $-4 \times (x + 5)$

Simplify the expression.

Then evaluate the expression for the given value of the variable.

10. $4x - x + 21$ for $x = 5$

11. $k - 7k - 11$ for $k = -3$

12. $6a + 3b + 27 - 2a$
for $a = -7$ and $b = 6$

13. $m + 30 - 2n + 4m$
for $m = -6$ and $n = 15$

Evaluate the expression for the given value of the variables

14. $4f \times (g - h)$
for $f = -2, g = -10,$ and $h = 12$

15. $r \times (6s + 2t)$
for $r = 4, s = 5,$ and $t = -9$

Mixed ReviewCompare. Write $<$ or $>$.

16. -1.50 _____ -1.55

17. $-\frac{2}{3}$ _____ $\frac{1}{3}$

18. $.80$ _____ $\frac{3}{4}$

19. $-\frac{2}{7}$ _____ $-\frac{5}{6}$

Find the product.

20. -20×6

21. -12×8

22. 7×-11

23. -15×15

24. -7×-40

25. -35×0

26. 9×-12

27. -10×-11
