

Name: _____

Basic Algebra Review

Evaluate each expression. Let $a = 24$. Let $b = 2$.

1. $34 - b$ _____

2. $\frac{a}{3}$ _____

3. $9b$ _____

4. $a + b$ _____

5. $2a$ _____

6. $\frac{24}{a}$ _____

Rewrite each phrase as an algebraic expression.

7. subtract 7 from c _____

8. 10 divided by d _____

9. the product of 5 and e _____

10. the sum of 8 and f _____

Determine the value of the variable in each equation.

11. $14 + g = 26$

12. $12h = 60$

13. $\frac{28}{i} = 4$

$g =$ _____

$h =$ _____

$i =$ _____

Determine the value of the unknown variable in each equation.

14. $11j = k$

15. $\frac{16}{m} = n$

16. $p + 7 = q$

$j =$ _____, $k = 110$

$m = 4$, $n =$ _____

$p =$ _____, $q = 19$

Complete the tables.

17. $\frac{40}{r} = s$

18. $13 - x = y$

r	2		5	8	
s		10			1

x			5	9	
y	0	11			1

ANSWER KEY

Basic Algebra Review

Evaluate each expression. Let $a = 24$. Let $b = 2$.

1. $34 - b$ 32

2. $\frac{a}{3}$ 8

3. $9b$ 18

4. $a + b$ 26

5. $2a$ 48

6. $\frac{24}{a}$ 1

Rewrite each phrase as an algebraic expression.

7. subtract 7 from c $c - 7$

8. 10 divided by d $\frac{10}{d}$

9. the product of 5 and e $5e$

10. the sum of 8 and f $8 + f$

Determine the value of the variable in each equation.

11. $14 + g = 26$

12. $12h = 60$

13. $\frac{28}{i} = 4$

$g =$ 12

$h =$ 5

$i =$ 7

Determine the value of the unknown variable in each equation.

14. $11j = k$

15. $\frac{16}{m} = n$

16. $p + 7 = q$

$j =$ 10, $k = 110$

$m = 4$, $n =$ 4

$p =$ 12, $q = 19$

Complete the tables.

17.

$\frac{40}{r} = s$

18.

$13 - x = y$

r	2	4	5	8	40
s	20	10	8	5	1

x	13	2	5	9	12
y	0	11	8	4	1