

Name \_\_\_\_\_

Score: \_\_\_\_\_

# Basic Algebra

Evaluate each expression.



$a = 8,$	$b = 4,$	$c = 12$
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1.  $a + 18$  \_\_\_\_\_

2.  $71 - c$  \_\_\_\_\_

3.  $9b$  \_\_\_\_\_

4.  $\frac{18}{c}$  \_\_\_\_\_

5.  $49 - a$  \_\_\_\_\_

6.  $11b$  \_\_\_\_\_

7.  $\frac{72}{b}$  \_\_\_\_\_

8.  $a - 1$  \_\_\_\_\_

9.  $a + b + c$  \_\_\_\_\_

10.  $\frac{c}{a}$  \_\_\_\_\_

$p = 30,$	$q = 2,$	$r = 90$
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11.  $q42$  \_\_\_\_\_

12.  $\frac{p}{Q}$  \_\_\_\_\_

13.  $p + 9 + 3$  \_\_\_\_\_

14.  $p - 9$  \_\_\_\_\_

15.  $20r$  \_\_\_\_\_

16.  $\frac{r}{6}$  \_\_\_\_\_

17.  $\frac{p}{6}$  \_\_\_\_\_

18.  $r - q$  \_\_\_\_\_

19.  $p - q$  \_\_\_\_\_

20.  $\frac{75}{p}$  \_\_\_\_\_

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# Basic Algebra **ANSWER KEY**



Evaluate each expression.

$a = 8,$

$b = 4,$

$c = 12$

1.  $a + 18$       26

2.  $71 - c$       59

3.  $9b$       36

4.  $\frac{18}{c}$       1.5

5.  $49 - a$       41

6.  $11b$       44

7.  $\frac{72}{b}$       18

8.  $a - 1$       7

9.  $a + b + c$       24

10.  $\frac{c}{a}$       1.5

$p = 30,$

$q = 2,$

$r = 90$

11.  $q42$       84

12.  $\frac{p}{Q}$       15

13.  $p + 8 + 3$       41

14.  $p - 9$       21

15.  $20r$       1800

16.  $\frac{r}{6}$       15

17.  $\frac{p}{6}$       5

18.  $r - q$       88

19.  $p - q$       28

20.  $\frac{75}{p}$       2.5