Name _____ Score: _____

Basic Algebra

Determine the value of the variable in each equation.

1. a + 6 = 20

a = _____

2. 24 - c = 12

c = _____

3. 12 + 10 = y

y = _____

4. $\frac{55}{d} = 11$

d = _____

5. 11z = 110

z = _____

6. $\frac{t}{5} = 9$

t = _____

7. 8b = 64

b = _____

8. 42 - g = 20

g = _____

9. 1 + r = 9

r = _____

10. v - 18 = 25

v = _____

11. $\frac{36}{6} = m$

m = _____

12. 5s = 30

s = _____

13. $\frac{19}{h} = 1$

h = _____

14. 17 + 13 = q

q = _____

15. $\frac{144}{J} = 12$

j = _____

16. 8 + f = 15 - 1

f = _____

17. 8 + 2 = 5d

d = _____

Name _____ Score: _____

Basic Algebra ANSWER KEY

Determine the value of the variable in each equation.

1. a + 6 = 20

a = 14

2. 24 - c = 12

c = 12

3. 12 + 10 = y

y = 22

4. $\frac{55}{d} = 11$

d = 5

5. 11z = 110

z = 10

6. $\frac{t}{5} = 9$

t = 45

7. 8b = 64

b = 8

8. 42 - g = 20

g = 22

9. 1 + r = 9

r = 8

10. v - 18 = 25

v = 43

11. $\frac{36}{6} = m$

m = 6

12. 5s = 30

s = 6

13. $\frac{19}{h} = 1$

h = 19

14. 17 + 13 = q

q = 30

15. $\frac{144}{J} = 12$

j = 12

16. 8 + f = 15 - 1

f = 6

17. 8 + 2 = 5d

d = 2