



## Verbal expression algebraically - equation - exponenting Date \_\_\_\_\_

**Write each as an algebraic expression.**

1) 3 to the z is 20

2) n cubed is equal to 7

3) the n power of 8 is 14

4) n squared is equal to 5

5) c to the 6th is 47

6) the 8th power of x is 39

7) the 2nd power of n is 22

8) the 3rd power of x is 13

9) w to the 4th is equal to 43

10) 15 to the z is equal to 43

11) the 5th power of v is 29

12) n to the 10th is equal to 28

13) 14 to the r is equal to 44

14) the m power of 6 is equal to 19

15) the z power of 9 is 45

16) the x power of 2 is 16

17) a to the 9th is equal to 23

18) n to the 7th is equal to 13

19) the 9th power of x is 15

20) n to the 8th is equal to 5

21) the y power of 12 is 32

22) the 4th power of k is 30

23) n to the 3rd is 15

24) the 10th power of a is 31

25) 12 to the n is 20

26) the x power of 4 is 47

27) the q power of 7 is 36

28) the p power of 5 is equal to 27

29) 10 to the c is equal to 7

30) the 7th power of n is 33

# Verbal expression algebraically - equation - exponenting Date \_\_\_\_\_

**Write each as an algebraic expression.**

1) 3 to the z is 20

$$3^z = 20$$

2) n cubed is equal to 7

$$n^3 = 7$$

3) the n power of 8 is 14

$$8^n = 14$$

4) n squared is equal to 5

$$n^2 = 5$$

5) c to the 6th is 47

$$c^6 = 47$$

6) the 8th power of x is 39

$$x^8 = 39$$

7) the 2nd power of n is 22

$$n^2 = 22$$

8) the 3rd power of x is 13

$$x^3 = 13$$

9) w to the 4th is equal to 43

$$w^4 = 43$$

10) 15 to the z is equal to 43

$$15^z = 43$$

11) the 5th power of v is 29

$$v^5 = 29$$

12) n to the 10th is equal to 28

$$n^{10} = 28$$

13) 14 to the r is equal to 44

$$14^r = 44$$

14) the m power of 6 is equal to 19

$$6^m = 19$$

15) the z power of 9 is 45

$$9^z = 45$$

16) the x power of 2 is 16

$$2^x = 16$$

17) a to the 9th is equal to 23

$$a^9 = 23$$

18) n to the 7th is equal to 13

$$n^7 = 13$$

19) the 9th power of x is 15

$$x^9 = 15$$

20) n to the 8th is equal to 5

$$n^8 = 5$$

21) the y power of 12 is 32

$$12^y = 32$$

22) the 4th power of k is 30

$$k^4 = 30$$

23) n to the 3rd is 15

$$n^3 = 15$$

24) the 10th power of a is 31

$$a^{10} = 31$$

25) 12 to the n is 20

$$12^n = 20$$

26) the x power of 4 is 47

$$4^x = 47$$

27) the q power of 7 is 36

$$7^q = 36$$

28) the p power of 5 is equal to 27

$$5^p = 27$$

29) 10 to the c is equal to 7

$$10^c = 7$$

30) the 7th power of n is 33

$$n^7 = 33$$