

Exponents

Name: _____

Date: _____

Find the value of x to balance the equation.

1

$$x^3 = 8$$

$$x = \underline{\quad 2 \quad}$$

2

$$3 = 3^x$$

$$x = \underline{\quad \quad}$$

3

$$36 = x^2$$

$$x = \underline{\quad \quad}$$

4

$$27 = 3^x$$

$$x = \underline{\quad \quad}$$

5

$$x^2 = 121$$

$$x = \underline{\quad \quad}$$

6

$$100 = x^2$$

$$x = \underline{\quad \quad}$$

7

$$4 = x^2$$

$$x = \underline{\quad \quad}$$

8

$$x^2 = 81$$

$$x = \underline{\quad \quad}$$

9

$$81 = 3^x$$

$$x = \underline{\quad \quad}$$

10

$$16 = 2^x$$

$$x = \underline{\quad \quad}$$

11

$$49 = x^2$$

$$x = \underline{\quad \quad}$$

12

$$x^2 = 64$$

$$x = \underline{\quad \quad}$$

13

$$9 = x^2$$

$$x = \underline{\quad \quad}$$

14

$$x^3 = 64$$

$$x = \underline{\quad \quad}$$

15

$$243 = 3^x$$

$$x = \underline{\quad \quad}$$

16

$$x^2 = 25$$

$$x = \underline{\quad \quad}$$

17

$$27 = 3^x$$

$$x = \underline{\quad \quad}$$

18

$$256 = x^4$$

$$x = \underline{\quad \quad}$$

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Name: _____

Date: _____

Find the value of x to balance the equation.

1

$$x^3 = 8$$

$$x = \underline{\quad 2 \quad}$$

2

$$3 = 3^x$$

$$x = \underline{\quad 1 \quad}$$

3

$$36 = x^2$$

$$x = \underline{\quad 6 \quad}$$

4

$$27 = 3^x$$

$$x = \underline{\quad 3 \quad}$$

5

$$x^2 = 121$$

$$x = \underline{\quad 11 \quad}$$

6

$$100 = x^2$$

$$x = \underline{\quad 10 \quad}$$

7

$$4 = x^2$$

$$x = \underline{\quad 2 \quad}$$

8

$$x^2 = 81$$

$$x = \underline{\quad 9 \quad}$$

9

$$81 = 3^x$$

$$x = \underline{\quad 4 \quad}$$

10

$$16 = 2^x$$

$$x = \underline{\quad 4 \quad}$$

11

$$49 = x^2$$

$$x = \underline{\quad 7 \quad}$$

12

$$x^2 = 64$$

$$x = \underline{\quad 8 \quad}$$

13

$$9 = x^2$$

$$x = \underline{\quad 3 \quad}$$

14

$$x^3 = 64$$

$$x = \underline{\quad 4 \quad}$$

15

$$243 = 3^x$$

$$x = \underline{\quad 5 \quad}$$

16

$$x^2 = 25$$

$$x = \underline{\quad 5 \quad}$$

17

$$27 = 3^x$$

$$x = \underline{\quad 3 \quad}$$

18

$$256 = x^4$$

$$x = \underline{\quad 4 \quad}$$