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| Review Worksheet #4 |

NAME Review Worksheet #4

Section 1 - Multiple Choice

1)

Simplify

(a)

(b)

(c)

(d)

1. Which of the following is an equivalent form of  using exponents?

(a) 

(b) 

(c) 

(d) 

1. In exponential notation, what is the number being multiplied called?
2. base
3. power
4. square
5. exponent

4) What is  in an equivalent form?

1. 9
2. 20
3. 50

(d) 625

1. Which number is equivalent to  ?

(a) 

(b) 

(c) 

(d) 

1. Which of the following answers is equivalent to  ?

(a) 

(b) 

(c) 

(d) 

1. Henry is confused about a homework problem. The problem’s instruction is to solve for  in the following eqution. He has come up with  different answers. Which of the  is correct?

(a) 26 (b) 85

1. 169
2. 676

8) What does the number  represent in the following problem?



1. base
2. exponent
3. answer
4. integer

9) Calculate  .

1. 77
2. 129
3. 633

(d) 3483

10) 

1. 183
2. 37
3. 3
4. 1

11) Last night, Mr. Healey assigned several problems involving exponents. The instructions for the first problem were to solve for  in the following equation.



Stuart came up with  different answers. Which of the  is correct?

(a) 100

(b) 196

(c) 292

(d) 484

1. What is the value of  ?

(a) 

(b)

(c)

(d) 

1. Which of these  choices is equivalent to  ?

(a) 

(b) 

(c) 

(d) 

1. The number  is equivalent to .

(a) 21

(b) 49

1. 343
2. 777

15) What are the first three common multiples of 8 and 12?

(a) 16, 24, 36

(b) 24, 48, 72

1. 48, 96, 192
2. 96, 192, 386

16) Find the least common multiple of 12 and

15.

(a) 3

(b) 5

1. 30
2. 60

17) What does the number  represent in the following problem?



1. integer
2. exponent
3. answer
4. base

18) Simplify.



1. 8
2. 15
3. 125
4. 243

19) Simplify.



1. 7
2. 12
3. 18

(d) 36

20) Which of the numbers below is *not* a perfect square?

1. 4
2. 144
3. 9
4. 28