Name _____ Date _____ Period _____

8.EE.A.2 ADDITIONAL PRACTICE

Answer Key

1) Evaluate the expressions in the table.

$\sqrt{0}$	$\sqrt{1}$	$\sqrt{4}$	$\sqrt{25}$	$\sqrt{49}$	$\sqrt{100}$
0	1	2	5	7	10

2) Evaluate the expressions in the table.

$\sqrt[3]{0}$	$\sqrt[3]{1}$	$\sqrt[3]{8}$	$\sqrt[3]{27}$
0	1	2	3

3) Evaluate: $\sqrt{3^2}$

3

4) The expression $(\sqrt{16})^2$ is equivalent to what number?

16

5) For what values of x makes the equation $x^2 = 81$ true?

± 9

6) Solve for a in the equation: $36 = a^2$

± 6

7) What is the missing value in the statement: $\sqrt[3]{?} = 4$

64

8) Solve for x in the equation: $x^3 = 125$

5

9) Both sides of the equation simplify to what number? $\sqrt{64} + \sqrt[3]{1} = \sqrt{81}$

9

10) Why is $\sqrt{2}$ an irrational number?

Answers may vary.

$\sqrt{2}$ is an irrational number because 2 is not a perfect square

$\sqrt{2}$ is an irrational number because it cannot be represented as a ratio of two numbers

$\sqrt{2}$ is an irrational number because it is a non-terminating decimal that does not repeat