Date: _____

Instructors: Peter Curley, Channing Hodgkins, Jared Lyons

Student Name/ID#: _____

Total Score:

/ 100

Students Entering PRE ALGEBRA (All levels) - Summer Assignment

QUESTION 1

/1

TOPIC: Place Value

Choose the correct place value for the underlined digit: 2.542

A ☐ ones

B ☐ tenth

C ☐ hundredth

D ☐ thousandth

QUESTION 2

/1

TOPIC: Place Value

Choose the correct place value for the underlined digit: 32.534

A ☐ ones

B ☐ tenth

C ☐ hundredth

D ☐ thousandth

QUESTION 3

/1

TOPIC: Place Value

Choose the correct place value for the underlined digit: .0329

A ☐ ones

B ☐ hundredth

C ☐ tenth

D ☐ thousandth

QUESTION 4

/6

TOPIC: Ordering Numbers

Drag and drop the following numbers in the correct spot on the number line.

-5 -4.5 -4 -3.5 -3 -2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

| -2.54 | $-\dfrac{7}{8}$ | 1.43 | $\dfrac{3}{2}$ | $-\dfrac{16}{8}$ | 4.5 |

QUESTION 5

/1

TOPIC: Equivalent Fractions

Complete the fraction so that they are equivalent.

$$\frac{3}{5} = \frac{21}{}$$

The missing denominator is equal to _____

QUESTION 6

/1

TOPIC: Equivalent Fractions

Complete the fraction so that they are equivalent.

$$\frac{14}{15} = \frac{}{30}$$

The missing numerator is equal to _____

/1

TOPIC: Equivalent Fractions

Complete the fraction so that they are equivalent.

$$\frac{27}{72} = \frac{3}{}$$

The missing denominator is equal to _____

/1

TOPIC: Fractions in simplest form

Write the following fraction in simplest form:

$$\frac{16}{20}$$

Note: while writing the fraction, use the back slash to form a fraction

QUESTION 9   /1

TOPIC: Fractions in simplest form

Write the following fraction in simplest form:

$$\frac{15}{30}$$

Note: while writing the fraction, use the back slash to form a fraction

QUESTION 10   /1

TOPIC: Fractions in simplest form

Write the following fraction in simplest form:

$$\frac{21}{35}$$

Note: while writing the fraction, use the back slash to form a fraction

QUESTION 11

/1

TOPIC: Fractions, Improper and Mixed

Write each mixed number as an improper fraction.

$$4\frac{3}{4}$$

Note: In order to make a fraction, please use the back slash

QUESTION 12

/1

TOPIC: Fractions, Improper and Mixed

Write each mixed number as an improper fraction.

$$12\frac{7}{8}$$

Note: In order to make a fraction, please use the back slash

QUESTION 13 /1

TOPIC: Fractions, Improper and Mixed

Write each improper fraction as a mixed number.

$$\frac{11}{4}$$

Note: use the back slash to create a fraction. For example, 9 1/2

QUESTION 14 /1

TOPIC: Fractions, Improper and Mixed

Write each improper fraction as a mixed number.

$$\frac{22}{3}$$

Note: use the back slash to create a fraction. For example, 9 1/2

QUESTION 15   /1

TOPIC: Fractions, Improper and Mixed

Write each improper fraction as a mixed number.

$$\frac{30}{12}$$

Note: use the back slash to create a fraction. For example, 9 1/2

QUESTION 16   /5

TOPIC: Comparing and Ordering Fractions

Order the set of fractions from least to greatest.

A ☐ 2/3

B ☐ 1/7

C ☐ 2/5

D ☐ 7/8

E ☐ 3/4

QUESTION 17   ☐ /1

TOPIC: Addition

Add the following.

429 + 9.07 = _____

QUESTION 18   ☐ /1

TOPIC: Addition

Add the following.

832 + 79 + 104 = _____

QUESTION 19   ☐ /1

TOPIC: Adding Fractions

Add the following:

$$\frac{1}{5} + \frac{7}{12}$$

/1

TOPIC: Adding Fractions

Add the following:

$$\frac{2}{3} + \left(-\frac{2}{5}\right)$$

/1

TOPIC: Subtraction

Subtract the following.

61,382 - 49,783 = _____

QUESTION 22

/1

TOPIC: Subtraction

Subtract the following.

6.23 - 3.21 = _____

QUESTION 23

/1

TOPIC: Subtracting Fractions

Subtract the following:

$$\frac{1}{7} - \frac{2}{5}$$

QUESTION 24

/1

TOPIC: Subtracting Fractions

Subtract the following:

$$23\frac{1}{2} - 15\frac{1}{4}$$

/1

TOPIC: Multiplication

Multiply the following.

3845 x 21 = _____

/1

TOPIC: Multiplication

Multiply the following:

(-32.45)(12.3) = _____

/1

TOPIC: Multiplying Fractions

Multiply the following fractions and put them in simpliest form:

$$\frac{7}{13} \times \frac{2}{3}$$

QUESTION 28   /1

TOPIC: Division

Divide the following.

$351 \div 3 =$ _____

QUESTION 29   /1

TOPIC: Division of Decimals

Divide the following.

$145.3 \div 5 =$ _____

QUESTION 30   /1

TOPIC: Division of Fractions

Divide the following fractions and put your answer in simplest form:

$$\frac{9}{7} \div \frac{3}{14}$$

QUESTION 31 /1

TOPIC: Order of Operations

Find the value of each expression.

$24 - 8 \div 2 \times 4 + 3$ **=** _____

QUESTION 32 /1

TOPIC: Order of Operations

Find the value of each expression.

$(16 + 8) \div (4 - 2)$ **=** _____

QUESTION 33 /1

TOPIC: Order of Operations

Find the value of each expression.

$30 - 9 \div 3 + 6 \times 9$ **=** _____