Grade 9 Mathematics: Prior Learning Assessment **Name:** _____

Period: ____

Number: Operations

1) Calculate the following:

$\sqrt{16}$ =_____

2) Estimate the following to the nearest tenth:

$\sqrt{70}$ =_____

3) Calculate the following:

3^2 =_____

4) Solve the following:

$2 + 3 \times 6$ =_____

5) Solve the following:

$15 - 6 \div (2 + 1)$ =_____

Number: Integers

1) $-6 + 2$ = _____

2) $(-10) - (-1)$ = _____

3) $4 \times (-3)$ = _____

4) $(-15) \div (-5)$ = _____

5) Fill in the missing number for the following sequence:

_____, 0, 3, 6, 9

Patterns and Relations

1) Represent the following as an expression:

Five less than twice a number (n).

_____

2) Solve for *w*: $3w = 15$

w = _____

3) Solve for *x*: $\frac{x}{10} = 5$

x = _____

4) Solve for *n*: 10 = 2n + 6

n = _____

5) Solve for *m*: 4(m+3) = 20

m = _____

6) Solve for *p*: 10 ÷ 2 = p + 3

p = _____

7) Solve for *a*:

$a \times \frac{1}{4} = 4 \times \frac{1}{2}$

a = _____

8) Represent the following as an expression:

Three more than a number (n)

_____

Grade 9 Mathematics: Prior Learning Assessment **Name:** _____

Period: ___

Decimals and Fractions: Number Sense

1) Order the following from least to greatest.

$2\frac{1}{5}$ Twenty one hundredths $\frac{21}{10}$ 2.21

_____ _____ _____ _____

2) Use > or < to show which number is greater:

3.2 ___ 3.19

3) Use > or < to show which number is greater:

$\frac{1}{3}$ ___ $\frac{1}{4}$

4) Fill in the missing number in the following sequence.

0.6, 0.7, 0.8, 0.9, ____

5) Fill in the missing number in the following sequence.

$\frac{1}{2}, 1\frac{1}{4}, 2, 2\frac{3}{4}$, ____

6) How many sevenths ($\frac{1}{7}$) are there in $2\frac{1}{7}$?

_____

7) $\frac{3}{5} = \frac{\quad}{15}$

8) $\frac{17}{34} = \frac{\quad}{10}$

Decimals and Fractions: Operations

1) $1\frac{1}{5} + \frac{2}{10} =$ _____

2) $\frac{1}{2} - \frac{1}{6} =$ _____

3) $\frac{1}{2} \times 1\frac{4}{8} =$ _____

4) $2\frac{1}{4} \div \frac{3}{4} =$ _____

5) $1.7 + 2.6 =$ _____

6) $4.03 - 2.9 =$ _____

7) $3.5 \times 4 =$ _____

8) $1.8 \div 0.2 =$ _____

9) $1\frac{1}{2} + 0.1 =$ _____