Oberlin High School
Mathematics Department
Grade 11 Worksheet for the Week of October 5 - 9, 2020

Student Name: _____   Teacher: _____

Class: _____   Date Submitted: _____

General Instructions
   a) Solve all questions and show working.
   b) Take a picture of your work and email to **Oberlin.math@gmail.com** to be graded.

1. Calculate the exact value of:

   $$\frac{3\frac{1}{4} - 2\frac{1}{2}}{1\frac{5}{6}}$$ *(3 marks)*

2. Write the value of $(11.2)^2 - (0.375 \div 3)$
    a. exactly
    b. correct to two decimal places
    c. correct to three significant figures
    d. in standard form   *(6 marks)*

3. Given $A = \begin{bmatrix} 4 & 8 \\ 3 & 7 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 0 \\ 5 & 2 \end{bmatrix}$,

   Find:
       a) A + B
       b) B – A
       c) ½ B
       d) 3A – B   *(9 marks)*

4. The price of a shirt is 100 dollars. The store manager gives a discount of 50 dollars. A man and his brother bought 4 shirts and then shared the cost equally with each other. Calculate the price paid by each brother.   *(2 marks)*

TOTAL: 20 MARKS