 **College math Instructor: L.Mingla**

 **Quiz #1 Student Name:**

1. Simplify expressions:
2. $2-5\left(4\right)²-6$=
3. $\frac{x^{-5}}{\left(2\right)xy^{-4}}$ =
4. $\left(\frac{2y}{3c}\right)^{-3}$ =
5. $(x+3)^{2}-2\left(x+3\right)-8$
6. Solve the equation:
7. 20=8 - 5(2x-3)+4x
8. $\frac{1}{5}\left(25x+15\right)=\frac{1}{3}(6x+27)$
9. The length of a rectangle is 1 ft more than twice the width. The perimeter is 20 ft. Find the dimensions.