

These questions are due by the end of the week. 10/10 points towards your assessment grade if you get them all right and have the math work on paper to back up your work.

You will receive zero points and fail the assignment if you are asked for your work on paper and can not produce that effort. Missing some part of the assignment will cause a loss of that percent of the overall assignment.

These weekly problems cannot be attempted a second time and the work must be turned in on time, not later in the day, not during remediation, and not the next day.

You should work on these problems throughout the week and use down time in class to work with your teams on the solution to these problems.

1. Evaluate the expression $3^0(3^{-2})$

2. Simplify the expression so there are no negative exponents and no zero exponents $A^{-2}B^3C^{-4}D^{-5}E^0$

3.

Standard A1.2.3.1.1

The daily high temperatures, in degrees Fahrenheit (°F), of a town are recorded for one year. The median high temperature is 62°F. The interquartile range of high temperatures is 32. Which statement is **most likely** true?

- A. Approximately 25% of the days had a high temperature less than 30°F.
- B. Approximately 25% of the days had a high temperature greater than 62°F.
- C. Approximately 50% of the days had a high temperature greater than 62°F.
- D. Approximately 75% of the days had a high temperature less than 94°F.

4.

Standard A1.1.1.3.1

Simplify:

$$2(2\sqrt{4})^{-2}$$

A. $\frac{1}{8}$

B. $\frac{1}{4}$

C. 16

D. 32