

This quiz is worth 10 points and you have 10 minutes to complete it. Show all work and circle your final answers.

Calculators are NOT allowed today.

1. (4 pts) If $f(x) = \frac{x^4 - 7x^3}{2x}$, find $f'(x)$. (Use differentiation rules, not the definition.)

2. (6 pts) Graph a function with the number lines shown below. Be sure that your graph reflects all of the information given in the number lines.

