Quiz 1

Name _____

Math 173B, 1PM

Please justify all your answers   January 16, 2020

Please also write your full name on the back

1. List the points on the elliptic curve $Y^2 = X^3 + 2X + 3$ over $\mathbb{F}_5$.

2. How many points of order two are there on the elliptic curve $Y^2 = X^3 - X$ over any field with characteristic not equal to 2 or 3?