1) **Mary Jackson:**
- helped calculate flight trajectories
- worked at NASA and was able to overcome the discrimination she faced
- aerospace engineer

2) **Granville T. Woods:**
- overcame racism because of his superb engineering skills
- invented the advanced steam boiler and multiplex telegraph
- helped improve railway systems

3) **Granville T. Woods:**
- over 60 patents
- first African American mechanical and electrical engineer after the Civil War
- left school at 10, but gained knowledge on engineering through his various jobs
- invented the telegraphy for trains