

Self Assessment Quiz on Lectures 1 and 2

1) $\int_{2,0} x^2+1 =$

- a) $4\frac{2}{3}$
- b) -5
- c) not defined
- d) none of above

2) $\int_{[2,1]} x+2 dx =$

- a) $-3\frac{1}{2}$
- b) -1
- c) not defined
- d) none of above

3) $\int_{[2,1]} 2x+1 =$

- a) -2
- b) -4
- c) not defined
- d) none of above

- 4) Let $y(t)$ be the number of people with Covid-19 at time t . The rate of infection at time t is best modelled by :
- a) a differential 0-form in 1 variable
 - b) a differential 1-form in 1 variable
 - c) none of the above

- 5) According to the Wikipedia, who was the first to coin the term "vector" in the mathematical sense?
- a) George Stokes
 - b) William Rowan Hamilton
 - c) Lord Kelvin
 - d) Herman Grassmann