Question 1

**a)**

Baldurs Gate 3. In Baldurs Gate 3, vectors are needed to specify the direction projectiles should fly in. They are also used to represent the direction the characters need to move in whenever we click on a location and tell our characters to move towards there.

**b)**

Gravity is the force that pulls us towards the ground. It is the force that pulls objects together. The more mass an object has, the stronger its gravity force. For example, Earth’s gravity magnitude according to google is 9.807m/s2

**c)**

No. Although the magnitude will be the same, because gravity pulls objects towards the centre of the moon. Hence at a different position, the vector will point in a different direction towards the centre of the moon.