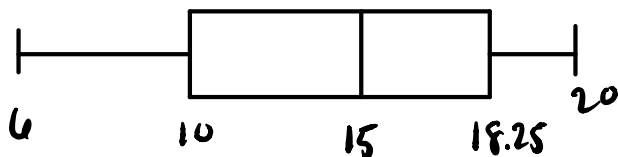


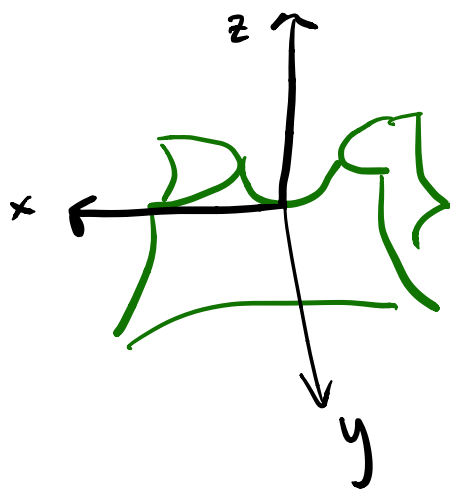
Quiz 1 results



- Quiz 2 today
- Sub next week

13.6.45, 14.1 #8,
13.6.37

hyperbolic
paraboloid



$$z = x^2 - y^2$$

14.1.44

$$y + x = 0, \quad \vec{r}(t) = \langle \overset{x}{\cos t}, \overset{y}{\sin t}, \overset{z}{t} \rangle, \quad 0 \leq t \leq 4\pi$$

$$\cos t + \sin t = 0$$

$$\cos t = -\sin t \rightarrow -1 = \tan t$$

$$\frac{3\pi}{4}, \quad \frac{7\pi}{4}, \quad \frac{11\pi}{4}, \quad \frac{15\pi}{4}$$