Math 32A Discussion Problems 131 1) Add & Sketch to Vorify Answer $v_2 = \langle -3, 1 \rangle$ $a \rangle \quad v_1 = \langle 1, 3 \rangle$ b) $v_1 = \langle 10, 2 \rangle$ $v_2 = \langle 1, 1 \rangle$ (2) Visually vecify that v - w = v + (-w)For example, let $V = \langle 1, 1 \rangle$ $W = \langle -1, 1 \rangle$ 3 Compute magnitude or 41+11j (1) State the triorgle inequality, vorify it with the vectors v = <1,0>, w = <0,1> and drow a correspinding picture

(5) Find a vector v with 11 v 11 = 3 that is in the same dir. to the vector <4,3,1>

Extra What does it mean algebraically for two vectors to be in the same direction?



b) $\chi^2 + \gamma^2 = 7$, $|z| \leq 7$

c) $y^2 + z^2 = 4$

D Write the equation for a) The xy-plane b) yz-plane

c) The sphere of vadius 1 centered at (1,1,1)

d) The sphere centered at (1,1,1) that passes through the pt. (0,0,0)