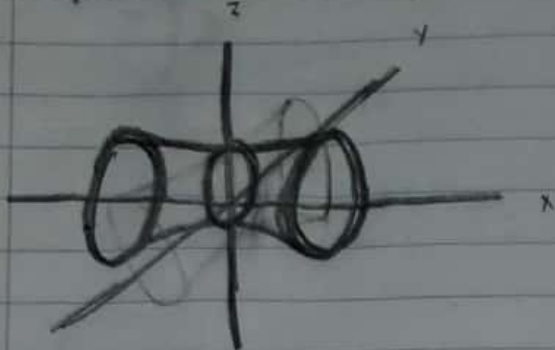
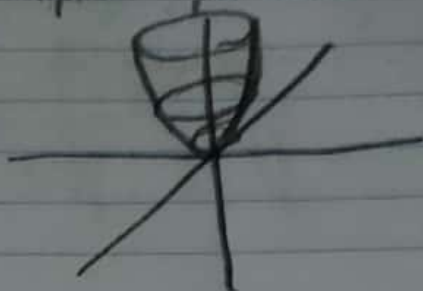


12.6

15. Hyperboloid of 1 sheet



16. Elliptic paraboloid



17. Ellipsoid



18. Cones



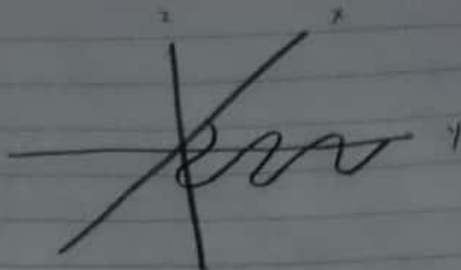
21. VII, all 3 squared values are the same, coefficient on z is largest
22. IV, all 3 squared values are the same, coefficient on x is largest
23. II, one squared term is different, $f(x, y, z) = 1$
24. III, one squared term is different, $f(x, y, z) = -1$
25. VI, 2 squared terms w/ same sign
26. I, 1 squared term is different, $f(x, y, z) = 0$
27. VIII, only 2 variable terms, both squared
28. V, 2 squared terms, 1 linear, squared terms different signs

14.1

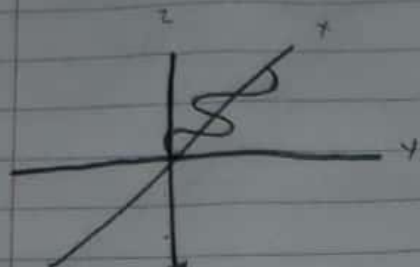
25.



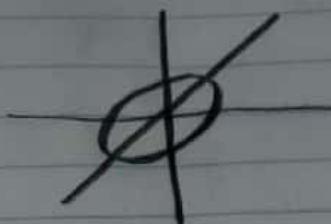
26.



27.



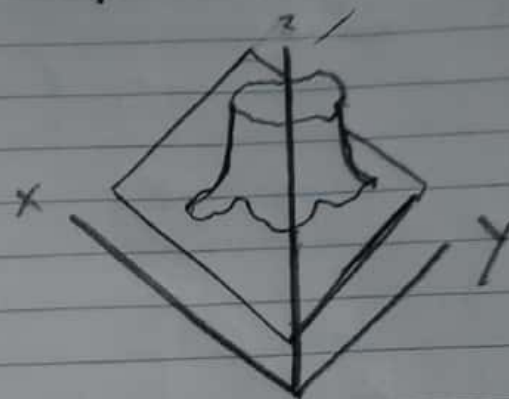
28.



57.



59.



76. $c=x$ $c=y$ $c=0$