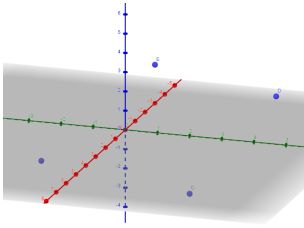
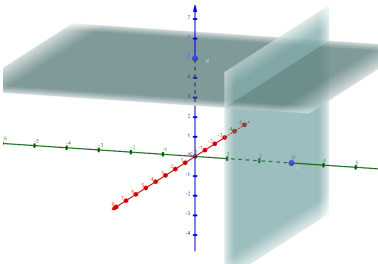


Partial solutions for 2 6 7 11 15 19 25 32

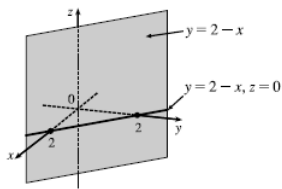
2. .



6. .



7. .



11. $|AB| = \sqrt{26}$, $|BC| = 3\sqrt{5}$, $|AC| = \sqrt{3}$. Not a straight line.

15. Radius is $r = \sqrt{30}$. $(x - 3)^2 + (y - 8)^2 + (z - 1)^2 = 30$

19. Divide everything by 2. Complete the square with x and z . $(x - 2)^2 + y^2 + (z + 6)^2 = 81/2$

25. $x = 5$ is plane parallel to yz plane crossing x -axis at $(5, 0, 0)$.

32. Cylinder with projection onto xy plane circle centered at $(0,0)$ with radius 2.

