

12.1

#8 Find 3 distances, show they are the same ($\sqrt{14}$).

#10 Make a drawing

a, b, c It is one of the coordinates

d, e, f $\sqrt{13}$, $\sqrt{34}$, $\sqrt{29}$ (use Pythagorean Theorem, not the distance formula)

$$\#14 \quad (x+2)^2 + (y-1)^2 + (z-3)^2 = \frac{1}{4}$$

#18 Sphere, C(0, 1/2, 0), r = 1/2

#24 – 36, see "Graphs"

#42 All points on and inside the sphere of radius 5 centered at (1, 0, -4)