In []: # 201500684 박종혁

1. Figure 1: $6971S = t^2 - 20$ $\frac{201500684}{973}$
Figure 2 6 32 V = 2t
Figure3: 71-92 a=2
2. $0 \frac{\partial s}{\partial t} = 0$ $2 \frac{\partial s}{\partial t} = 10$
$3) \frac{\partial s}{\partial t} = 2t + 3t = 3t^{2}$
3. $2mE S = t^2 2t = 2t + (4^2 = 16, 6^2 = 36)$ $S = t^2 \frac{39}{3t} = \frac{301}{201} = \frac{(t + 02)^2 - (t - 02)^2}{202}$
$=\frac{t^2+2t\alpha\chi+\Delta\chi^2-t^2+2t\alpha\chi*\Delta\chi^2}{2\Delta\chi}$
$=\frac{4t}{2\Delta \mathcal{X}}=2t$
[=5 % an, 22 the 2.5 = 10 ola.

4. 0
$$\frac{\partial f}{\partial x} = (\frac{1}{2} + 10) \frac{1}{2} \frac{1}{2} \frac{1}{4} + \frac{1}{10} \frac{1}{12} \frac{1}{2} \frac{1}{2$$

22. 3. 28. 오후 6:56 박종혁

```
print("df/dx =", dfdx)
print("df/dy =", dfdy)
print("df/dz =", dfdz)

df/dx = -1534
df/dy = -2304
df/dz = -3070

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