7.
$$C(\Lambda_{1}, \kappa, y) = 3 - 3 \kappa + 6 g + \lambda_{1} (\kappa^{2} + y) = 36$$
 $C(\pi_{1}, \kappa, y) = 3 - 3 \kappa + 6 g + \lambda_{1} \cdot 2 \kappa = 0$
 $C(\pi_{1}, \kappa, y) = 3 - 3 \kappa = 0$
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3.
$$\frac{\partial 4}{\partial x} = 2x$$
 $\frac{\partial 4}{\partial y} = 2y$ $\frac{\partial 4}{\partial z} = 2z$
 $\frac{\partial 4}{\partial x} = 16$ $\frac{\partial 4}{\partial y} = -24$ $\frac{\partial 4}{\partial z} = 18$
 $\frac{\partial 4}{\partial x} (3,-12,9)$ $\frac{\partial 4}{\partial y} (8,-12,9)$ $\frac{\partial 4}{\partial z} (3,-13,9)$

$$\frac{10!}{10!} = \sqrt{3} \cdot 1 + 64 + 144 = 17$$

$$\frac{10!}{10!} = \frac{9}{17} \cdot \frac{8}{17} \cdot \frac{12}{17}$$

$$\frac{34}{17} = \frac{9}{17} \cdot 16 + \frac{8}{17} \cdot (-24) - \frac{12}{17} \cdot 18 = (-144 - 152 - 218)/77 = -\frac{552}{17}$$

4.
$$\frac{\partial u}{\partial x} = 2x \cdot e^{-\frac{2}{2}t\eta^{2}t^{2}}$$
 $\frac{\partial u}{\partial q} = 2t\eta + e^{-\frac{2}{2}t\eta^{2}t^{2}}$
 $\frac{\partial u}{\partial z} = 2z \cdot e^{-\frac{2}{2}t\eta^{2}t^{2}}$
 $\frac{\partial u}{\partial z} = -3z \cdot e^{-\frac{2}{2}t\eta}$
 $\frac{\partial u}{\partial y} = 8 \cdot e^{-\frac{2}{2}t\eta}$
 $\frac{\partial u}{\partial z} = -26 \cdot$