10, Jul, 2019 Calculus ex14

- $\bigcirc 0 \bigcirc 0 \bigcirc 0 \bigcirc 0 \bigcirc 0 \bigcirc 0 \bigcirc 0$
- $\bigcirc 1$ $\bigcirc 1$ $\bigcirc 1$ $\bigcirc 1$ $\bigcirc 1$ $\bigcirc 1$ $\bigcirc 1$
- $\bigcirc 2 \bigcirc 2$
- $\bigcirc 3 \bigcirc 3 \bigcirc 3 \bigcirc 3 \bigcirc 3 \bigcirc 3 \bigcirc 3$
- $\bigcirc 4 \bigcirc 4$
- $\bigcirc 5$ $\bigcirc 5$ $\bigcirc 5$ $\bigcirc 5$ $\bigcirc 5$ $\bigcirc 5$ $\bigcirc 5$
- $\bigcirc 6 \bigcirc 6 \bigcirc 6 \bigcirc 6 \bigcirc 6 \bigcirc 6 \bigcirc 6$
- $\bigcirc 7 \bigcirc 7$
- $\bigcirc 8 \bigcirc 8 \bigcirc 8 \bigcirc 8 \bigcirc 8 \bigcirc 8 \bigcirc 8$
- $\bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9$

Questions with a \clubsuit may have zero, one or more right answers.

Question [pdiff01] Evaluate $\frac{\partial z}{\partial x}$ of $z = -4y^3 - 7xy^2 - 2x^2y + 3x^3$.

Question [pdiff02]

Evaluate $\frac{\partial z}{\partial u}$ of $z = -4y^3 - 7xy^2 - 2x^2y + 3x^3$.

Question [pdiff03] Evaluate f_x of $z = e^{6y-4x}$.

 \leftarrow Please encode your student number, and write your first and last names below.

First name and last name:.....

Question [pdiff04] Evaluate f_y of $z = e^{6y-4x}$.

Question [pdiff05] Evaluate z_x of $z = \frac{3x-9y}{3y+2x}$

- $\frac{27 y}{(3 y+2 x)^2} \qquad \bigcirc \quad -\frac{9 y}{(3 y+2 x)^2} \qquad \bigcirc \quad \frac{27 y}{3 y+2 x} \qquad \bigcirc \quad \frac{27 x}{(3 y+2 x)^2} \qquad \bigcirc \quad -\frac{9 x}{3 y+2 x}$

Question [pdiff06] Evaluate z_y of $z = \frac{3x-9y}{3y+2x}$

- $-\frac{27 \, x}{(3 \, y + 2 \, x)^2} \qquad \bigcirc \quad \frac{27 \, x}{(3 \, y + 2 \, x)^2} \qquad \bigcirc \quad -\frac{27 \, y}{3 \, y + 2 \, x} \qquad \bigcirc \quad -\frac{9 \, x}{(3 \, y + 2 \, x)^2} \qquad \bigcirc \quad \frac{27 \, x}{3 \, y + 2 \, x}$