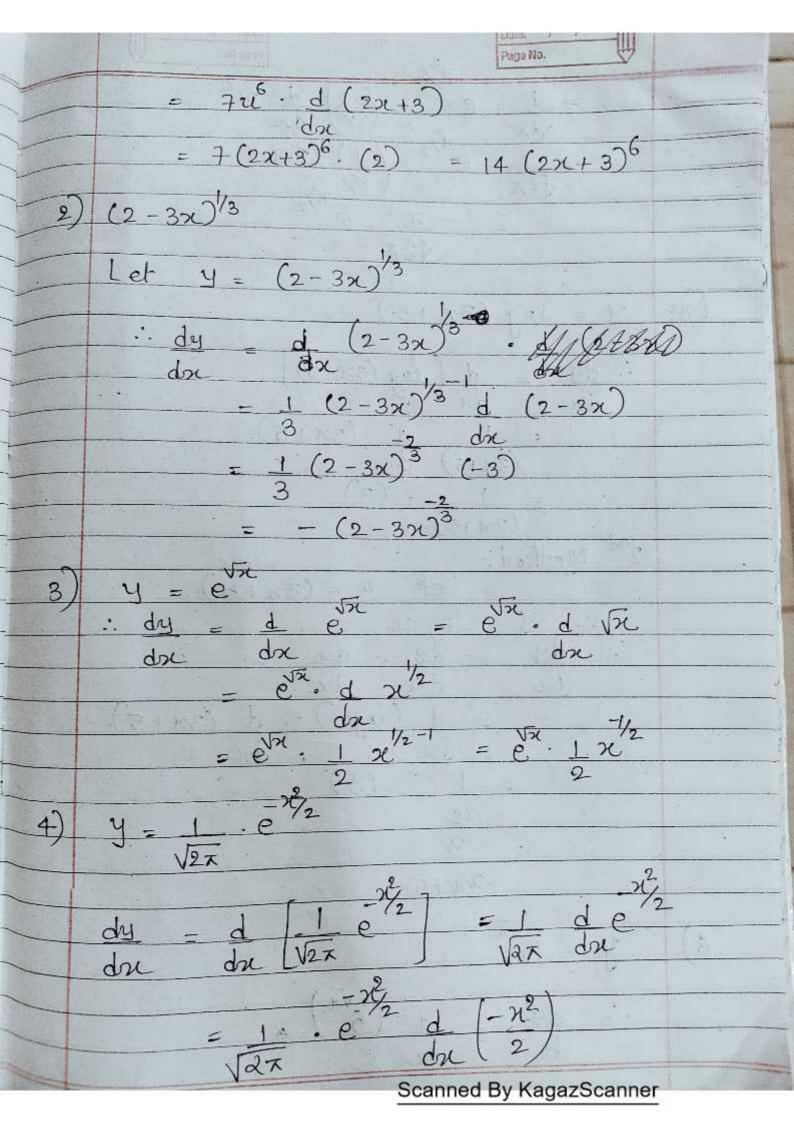
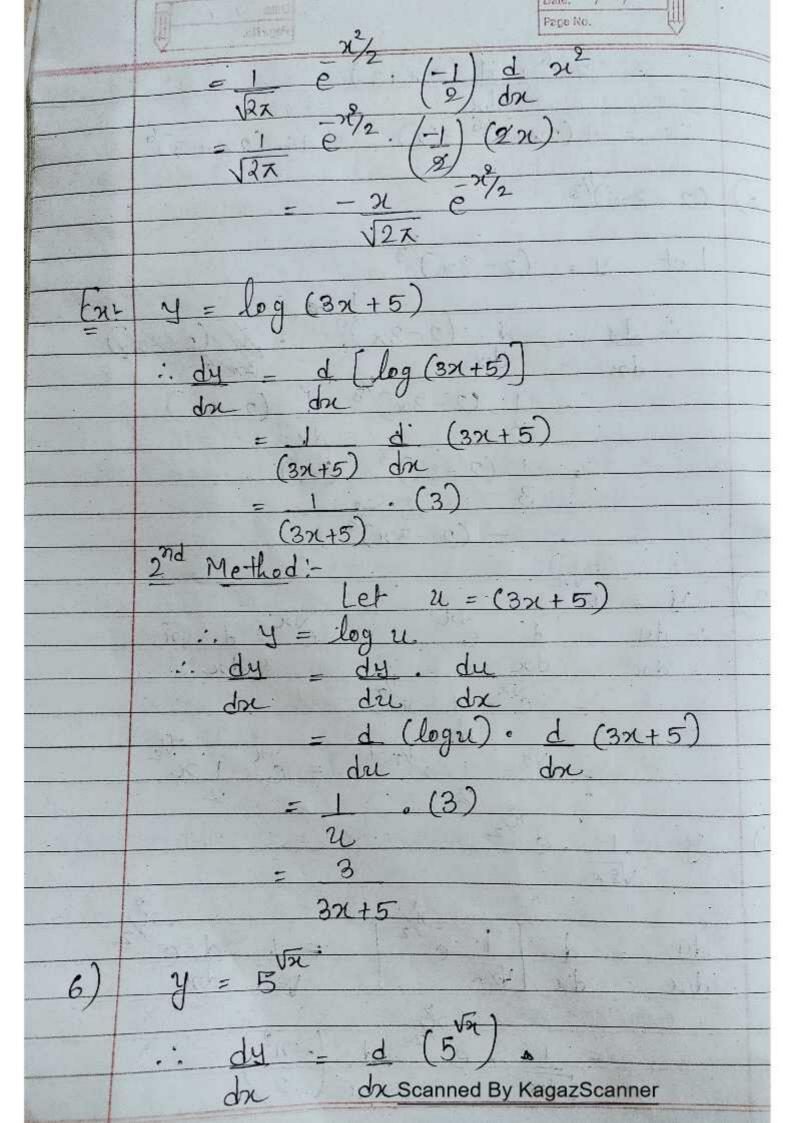
| *     | Chain Rule :- Desirative of a function      |
|-------|---|
| 4 (0) | of a function!                              |
|       | of a function!  If y is a function of u and |
|       | u is a function of re then                  |
|       | dy = dy odu.                                |
|       | dre dre dre                                 |
|       | likewise it y is a function of v,           |
|       | visa fun of u and u is a fun of             |
| 2     | x then dy - dy o dre o dre .                |
|       | dre dre dre dre.                            |
|       |   |
| Ens   | Find the derivedive of the following funs   |
| 7     | The tollowing fu                            |
| 工     | $y = (2x+3)^{7}$                            |
| -7    |   |
|       | Let u = (2x+3)                              |
|       | $\cdot$ $y = y^{T}$                         |
|       | dy = dy du [chein Rule]                     |
|       | dy dy du [chein Rule]                       |
|       |   |





Page No. d vic 5 log 5 Method !-5 · log 5 · 1 x /2  $y = (x^2 + 5)^{10}$ 

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