1.)
$$\int (uu+3)^3 du - 3 du = \frac{1}{t} \times d^{\frac{1}{t}} = (4u+3)^3$$

= $\int (4u+3)^3 \times \frac{1}{4} dt$
= $\int \frac{1}{4} \times \int \frac{1}{8} = \frac{1}{4} \times \frac{(4u+3)^8}{8} + (\frac{1}{4} \times \frac{1}{8} \times \frac{1}{8}$

$$t = u + 5$$

$$= \int u (u + 5)^{4} x dt$$

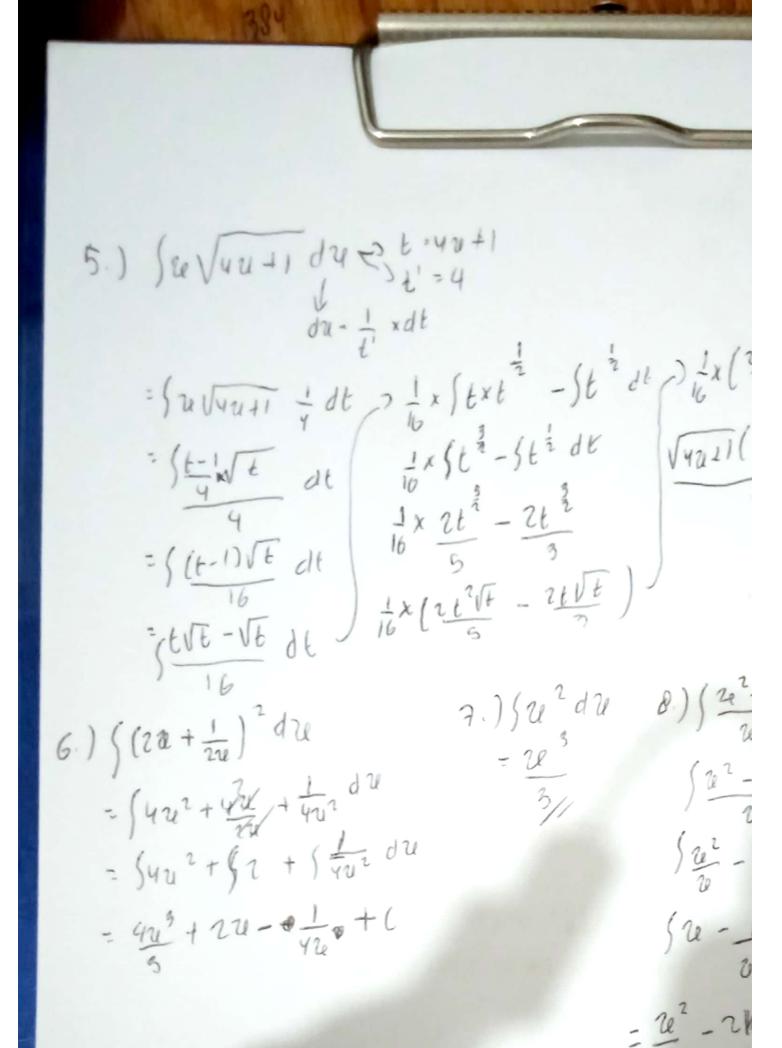
$$= \int (u + 5 - 5) x (u + 5)^{4} dt$$

$$= \int (t - 5) t^{4}$$

$$= \int t^{5} - 5t^{4}$$

3.)
$$\int (30-1) (20+6) d20$$

= $\int 32^{2} + 1600 - 12 d20$
= $\int 32^{2} + \int 1600 - \int 12 d20$
= $\int 32^{2} + \int 1600 - \int 12 d20$
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12(2/1-20)100