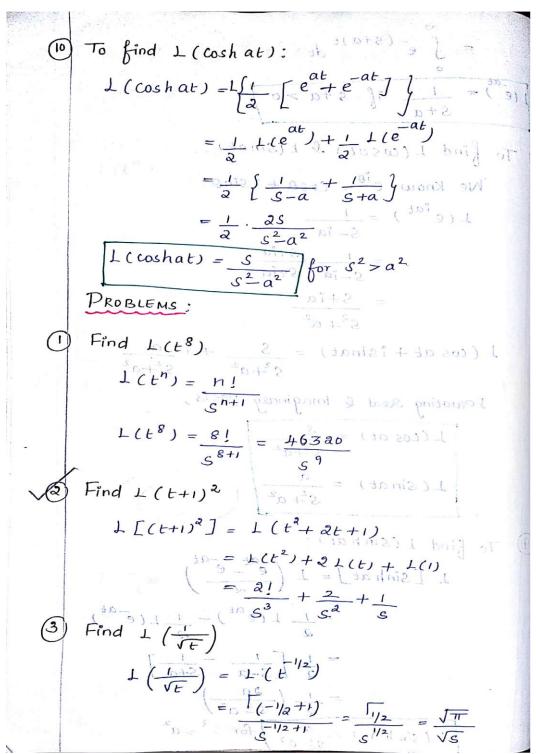




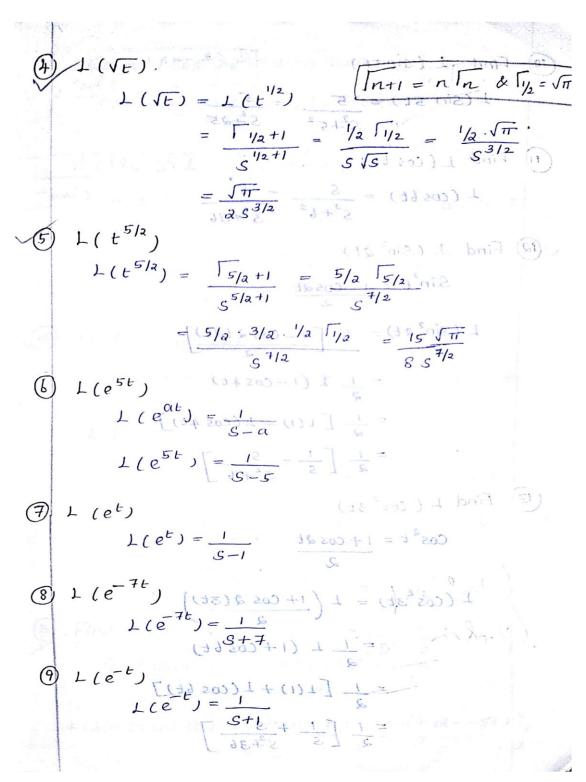
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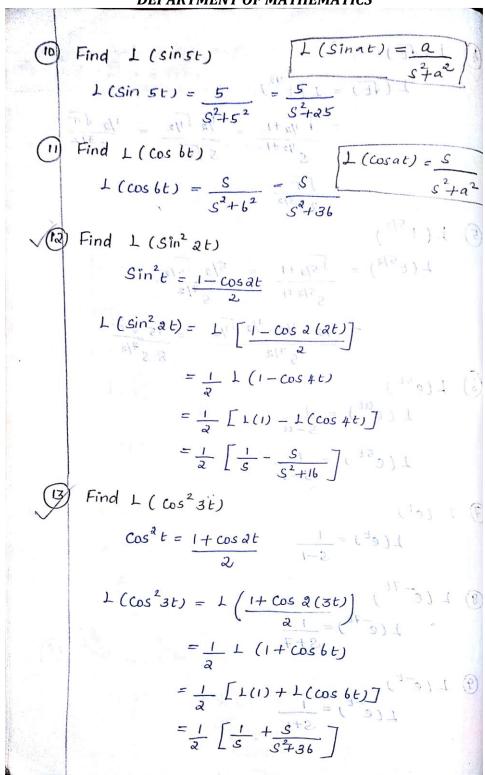
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(4) Find
$$L(\cos^3 at)$$
 $L(\cos 30 + 3\cos 0)$ $L(\cos^3 at) = L(\cos 30 + 3\cos 0)$ $L(\cos^3 at) = L(\cos 30 + 3\cos (at))$ $L(\cos 3t)$ $L(\sin^3 3t)$ $L(\sin^3 3t) = L(\sin^3 3t)$ $L(\sin^3 3t) = L(\sin^3 3t) = L(\sin^3 3t) + L(\sin^3 3$





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$$= \frac{1}{2} \left\{ L \left(Sin st \right) + L \left(Sin (-t) \right) \right\}$$

$$= \frac{1}{2} \left\{ L \left(Sin st \right) - L \left(Sin t \right) \right\}$$

$$= \frac{1}{2} \left\{ L \left(Sin st \right) - L \left(Sin t \right) \right\}$$

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