Please PRINT your name _____

No calculators, cell phones, computers, notes, etc.

Circle your answer. $\boxed{\text{Make your work correct, complete and coherent.}}$

Please take a picture of your quiz (for your records) just before you turn the quiz in. I will e-mail your grade and my comments to you.

The quiz is worth 5 points. The solutions will be posted on my website later today.

Quiz 7, April 15, 2024

Find the Laplace transform of of $\cos^2 2t$.

Answer.

$$\mathcal{L}(\cos^2 2t) = \tfrac{1}{2}\mathcal{L}(1 + \cos 4t) = \boxed{\tfrac{1}{2}\left(\tfrac{1}{s} + \tfrac{s}{s^2+16}\right)}.$$