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Student ID#:

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Q1) Let  $a(t) = 6t + 2$  be the acceleration function measured in meters per second squared. Find the position function given that  $v(0) = 4$  and  $s(0) = 3$ .

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Q2) Evaluate the integral  $\int \frac{\cos\left(\frac{\pi}{x}\right)}{x^2} dx$

