The average was approx 50 out of 100 , with high scores of 100 and 90 . I have not set a scale, but a 50 would probably be a low C. Review any problems you missed, perhaps with help from our LA. Study any listed review topics that you have not yet mastered.

1a. $\ln \left(e^{1 / 2}\right)=1 / 2$ because these are inverse functions. 1b. $\pi / 4$, from memory of $\tan (\pi / 4)$.
2a. $\frac{3}{x^{2}+9}$ by factoring out $x^{2}$ from every term and canceling.
2b. $1 / 3$. The limit is indeterminate. The highest powers are the same on top and bottom, allowing shortcuts, like removing the 2 and 4 , or L'Hopital's rule.
3. 2/9. Apply L'Hopital's rule twice.
4. Get $g^{\prime}(x)=2 x \cos \left(x^{2}\right)$ [chain rule]. So, $g^{\prime \prime}(x)=2 \cos \left(x^{2}\right)-4 x^{2} \sin \left(x^{2}\right)$ [product rule].

5a. $x^{4} / 2+\tan x+\frac{1}{3 x}+C$
5b. $\frac{\left(x^{4}+9\right)^{3 / 2}}{6}+C$ based on the u-substitution, $u=x^{4}+9$.

