

Extension 1 Calculus Worksheet – Answers

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|---|---------------------|---|------------------------|----|--------------------|
| 1 | [answers may vary.] | | | | |
| 2 | 2 | 3 | $\cos^2 x - x \sin 2x$ | 4 | $-3/\sqrt{1-9x^2}$ |
| 5 | $\pi/3$ | 6 | $1/6\sqrt{2}$ | 7 | 2 |
| 8 | $n=3, A=2/3$ | 9 | 6 | 10 | $4x^3/(1+x^8)$ |