- For each problem, place your answer in the appropriate blank of the answer sheet provided.
- Give an exact answer whenever possible. Otherwise, round to 3 decimal places.
- 1. Let $f(x) = 3x^3 2x^2 + 8x 3$. Find f(-0.27).
- 2. What is the remainder of 84319 divided by 23?
- 3. Six of the numbers 5, 6, 7, 9, 12, 15, and 17 were multiplied to get 642600. Which one was left out?
- 4. Find the sum $1 + 5 + 9 + 13 + \dots + 109$.
- 5. Compute $2.83 \times \left[2.03(0.12 + 9.11)^2 + \frac{2.86}{1.23} \right].$
- 6. Compute $\frac{11!}{4!4!} \times \frac{5!6!}{8!} \times \frac{2!4!}{8!}$. 7. Compute $\sqrt{\left(4\sqrt{5.05} - \sqrt{5.55}\right)\left(\sqrt{5.55} + \sqrt{80.8}\right)}$.
- 8. What percent of 15 is 66?
- 9. Compute $\sqrt[5]{91.234}$.
- 10. Compute $e^{1.23}$
- 11. $\log_7(54321) \times \log_7(321)$.
- 12. What is the product of all the real solutions of $3.21x^2 2.1x + 0.1?$
- 13. Find the greatest common factor of 91800 and 44352.
- 14. Compute $\frac{1}{5} \Big\{ (2.035 4.132)^2 + (1.903 + 2.044)^2 (3.045 1.876)^2 + (4.762 + 0.283)^2 \Big\}.$
- 15. Find the sum $\ln(2) + \ln(3^2) + \ln(4^3) \ln(5^4)$.

- For each problem, place your answer in the appropriate blank of the answer sheet provided.
- Give an exact answer whenever possible. Otherwise, round to 3 decimal places.
- 16. Let $f(x) = 5x^3 + 7x^2 + 8x 13$. Find f(-1.07).
- 17. What is the remainder of 829319 divided by 23?
- 18. Six of the numbers 5, 6, 7, 9, 12, 15, and 17 were multiplied to get 385560. Which one was left out?
- 19. Find the sum $1 + 5 + 9 + 13 + \dots + 101$.
- 20. Compute $4.23 \times \left[1.73(0.17 + 9.21)^2 + \frac{6.86}{3.09} \right].$
- 21. Compute $\frac{12!}{5!4!} \times \frac{3!6!}{7!} \times \frac{2!6!}{8!}$. 22. Compute $\sqrt{\left(8\sqrt{5.05} - \sqrt{3.33}\right)\left(\sqrt{3.33} + \sqrt{323.20}\right)}$.
- 23. What percent of 15 is 72?
- 24. Compute $\sqrt[7]{453.98}$.
- 25. Compute $e^{9.52}$
- 26. $\log_8(12345) \times \log_8(321)$.
- 27. What is the product of all the real solutions of $3.21x^2 2.1x 0.1$?
- $28.\ {\rm Find}$ the greatest common factor of 91800 and 44356.
- 29. Compute $\frac{1}{7} \Big\{ (2.035 4.132)^2 + (8.903 + 2.044)^2 (3.045 1.876)^2 + (0.762 4.283)^2 \Big\}.$
- 30. Find the sum $\ln(2) + \ln(4^2) + \ln(3^3) + \ln(5^4)$.

- For each problem, place your answer in the appropriate blank of the answer sheet provided.
- Give an exact answer whenever possible. Otherwise, round to 3 decimal places.
- 31. Let $f(x) = -5x^3 + 7x^2 + 15x 13$. Find f(8.07).
- 32. What is the remainder of 829319 divided by 21?
- 33. Six of the numbers 5, 6, 7, 9, 12, 15, and 17 were multiplied to get 963900. Which one was left out?
- 34. Find the sum $1 + 5 + 9 + 13 + \dots + 113$.
- 35. Compute $1.23 \times \left[1.73(0.17 9.21)^2 + \frac{6.86}{12.09} \right].$
- 36. Compute $\frac{6!}{5!4!} \times \frac{10!6!}{7!} \times \frac{2!6!}{12!}$. 37. Compute $\sqrt{\left(2\sqrt{5.05} - \sqrt{3.33}\right)\left(\sqrt{3.33} + \sqrt{465.86}\right)}$.
- 38. What percent of 16 is 72?
- 39. Compute $\sqrt[4]{453.98}$.
- 40. Compute $e^{-0.52}$
- 41. $\log_3(12345) \times \log_3(321)$.
- 42. What is the product of all the real solutions of $5.21x^2 2.7x 0.1$?
- 43. Find the greatest common factor of 91884 and 44356.
- 44. Compute $\frac{1}{6} \Big\{ (2.035 4.132)^2 (4.903 + 2.044)^2 (3.045 1.876)^2 + (0.562 4.283)^2 \Big\}.$
- 45. Find the sum $\ln(2) + \ln(4^2) + \ln(7^3) + \ln(6^4)$.

- For each problem, place your answer in the appropriate blank of the answer sheet provided.
- Give an exact answer whenever possible. Otherwise, round to 3 decimal places.
- 46. Let $f(x) = -5x^3 + 7x^2 + 15x 13$. Find f(-2.07).
- 47. What is the remainder of 829319 divided by 34?
- 48. Six of the numbers 5, 6, 7, 9, 12, 15, and 17 were multiplied to get 385560. Which one was left out?
- 49. Find the sum $1 + 5 + 9 + 13 + \dots + 117$.
- 50. Compute $-0.23 \times \left[1.73(10.17 9.21)^2 + \frac{6.86}{12.09} \right].$ 51. Compute $\frac{9!}{5!7!} \times \frac{4!6!}{7!} \times \frac{2!6!}{12!}.$ 52. Compute $\sqrt{\left(2\sqrt{15.05} - \sqrt{3.33}\right)\left(\sqrt{13.33} + \sqrt{465.86}\right)}.$
- 53. What percent of 16 is 172?
- 54. Compute $\sqrt[3]{403.98}$.
- 55. Compute $e^{-3.52}$
- 56. $\log_5(12345) \times \log_3(321)$.
- 57. What is the product of all the real solutions of $4.21x^2 2.7x 10.1$?
- 58. Find the greatest common factor of 91784 and 44346.
- 59. Compute $\frac{1}{8} \left\{ (2.035 + 4.132)^2 + (4.903 + 12.044)^2 (3.045 1.836)^2 + (0.562 4.283)^2 \right\}.$
- 60. Find the sum $\ln(2) + \ln(5^2) + \ln(3^3) + \ln(7^4)$.