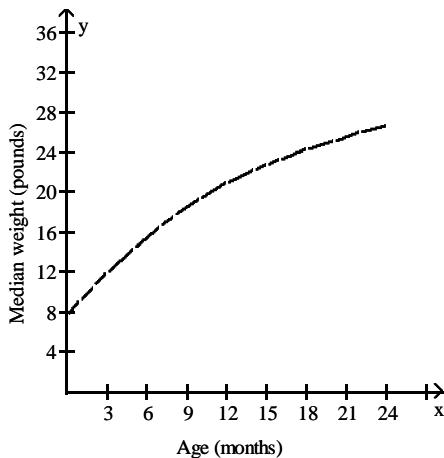


Solve the problem.

1) The graph shows the median weight of girls between the ages of 0 and 24 months.

1) _____



Use the graph to find the average growth rate of a typical girl during the first six months of her life. Give your answer in pounds per month.

- A) 1.3 lb/month B) 1.6 lb/month C) 2.6 lb/month D) 1.0 lb/month

2) Suppose that the dollar cost of producing x radios is $c(x) = 200 + 10x - 0.2x^2$. Find the average cost per radio of producing the first 30 radios.

2) _____

- A) \$320.00 B) \$120.00 C) \$4.00 D) \$2.00

Find the derivative.

3) $f(x) = 9x^{7/5} - 5x^2 + 10^4$

3) _____

A) $f'(x) = \frac{63}{5}x^{2/5} - 10x + 4000$

B) $f'(x) = \frac{63}{5}x^{6/5} - 10x$

C) $f'(x) = \frac{63}{5}x^{2/5} - 10x$

D) $f'(x) = \frac{63}{5}x^{6/5} - 10x + 4000$

4) $y = \frac{7}{x} - \frac{x}{5}$

4) _____

A) $\frac{dy}{dx} = -\frac{7}{x^2} + \frac{x}{5}$

B) $\frac{dy}{dx} = \frac{7}{x^2} - \frac{1}{5}$

C) $\frac{dy}{dx} = -7x - \frac{1}{5}$

D) $\frac{dy}{dx} = -\frac{7}{x^2} - \frac{1}{5}$

Find $f'(a)$ for the given value of a .

5) $f(x) = \frac{7}{x} - \sqrt{x}$, $a = 4$

5) _____

A) $\frac{3}{16}$

B) $-\frac{11}{16}$

C) $-\frac{3}{16}$

D) $\frac{11}{16}$

Find the derivative.

6) $y = \sqrt{x}(5x - 5) + 25x - 25$

A) $7.5x^{1/2} - 5x^{-1/2} + 25$

C) $3.33x^{1/2} - 5x^{-1/2} + 25$

B) $3.33x^{1/2} - 2.5x^{-1/2} + 25$

D) $7.5x^{1/2} - 2.5x^{-1/2} + 25$

6) _____

Differentiate.

7) $y = \frac{x^2 - 3x + 2}{x^7 - 2}$

A) $\frac{dy}{dx} = \frac{-5x^8 + 19x^7 - 14x^6 - 4x + 6}{(x^7 - 2)^2}$

C) $\frac{dy}{dx} = \frac{-5x^8 + 18x^7 - 14x^6 - 4x + 6}{(x^7 - 2)^2}$

B) $\frac{dy}{dx} = \frac{-5x^8 + 18x^7 - 13x^6 - 4x + 6}{(x^7 - 2)^2}$

D) $\frac{dy}{dx} = \frac{-5x^8 + 18x^7 - 14x^6 - 3x + 6}{(x^7 - 2)^2}$

7) _____

Write an equation of the tangent line to the graph of $y = f(x)$ at the point on the graph where x has the indicated value.

8) $f(x) = (-3x^2 + 3x + 2)(-2x + 5)$, $x = 0$

A) $y = \frac{1}{11}x - 10$

B) $y = 11x + 10$

C) $y = 11x - 10$

D) $y = \frac{1}{11}x + 10$

8) _____

Differentiate.

9) $f(x) = \sqrt{13x - x^5}$

A) $f'(x) = \frac{1}{2\sqrt{13 - 5x^4}}$

C) $f'(x) = \frac{1}{2\sqrt{13x - x^5}}$

B) $f'(x) = \frac{-5x^4}{\sqrt{13x - x^5}}$

D) $f'(x) = \frac{13 - 5x^4}{2\sqrt{13x - x^5}}$

9) _____

10) $f(x) = (2x^5 - 4x^4 + 3)^{308}$

A) $f'(x) = 308(2x^5 - 4x^4 + 3)^{307}(5x^4 - 4x^3)$

B) $f'(x) = 308(2x^5 - 4x^4 + 3)^{307}$

C) $f'(x) = 308(10x^4 - 16x^3)^{307}$

D) $f'(x) = 308(2x^5 - 4x^4 + 3)^{307}(10x^4 - 16x^3)$

10) _____

11) $y = (x + 1)^2(x^2 + 1)^{-3}$

A) $\frac{dy}{dx} = -2(x + 1)(x^2 + 1)^{-4}(2x^2 + 3x - 1)$

C) $\frac{dy}{dx} = 2(x + 1)(x^2 + 1)^{-4}(2x^2 - 3x - 1)$

B) $\frac{dy}{dx} = 2(x + 1)(x^2 + 1)^{-4}(2x^2 + 3x - 1)$

D) $\frac{dy}{dx} = -2(x + 1)(x^2 + 1)^{-4}(2x^2 - 3x - 1)$

11) _____

Solve the problem.

12) \$1200 is deposited in an account with an interest rate of $r\%$ per year, compounded monthly. At the end of 8 years, the balance in the account is given by $A = 1200 \left(1 + \frac{r}{1200}\right)^{96}$. Find the rate of change of A with respect to r when $r = 6$. Round answer to the nearest hundredth, if necessary.

A) $\frac{dA}{dr} = 96.96$

B) $\frac{dA}{dr} = 154.96$

C) $\frac{dA}{dr} = 154.19$

D) $\frac{dA}{dr} = 96.48$

12) _____

Find $\frac{d^2y}{dx^2}$.

- 13) $y = x^2 + \sqrt{x}$ 13) _____
A) $\frac{2x^{3/2} + 1}{x^{3/2}}$ B) $\frac{8x^{3/2} - 1}{4x^{3/2}}$ C) $\frac{2x^{3/2} - 1}{x^{3/2}}$ D) $\frac{8x^{3/2} + 1}{4x^{3/2}}$

Solve the problem.

- 14) If s is a distance given by $s(t) = 3t^4 + 5t^3 + 4t$, find the acceleration. 14) _____
A) $12t^2 + 15t$ B) $36t^2 + 30t$ C) $12t^3 + 15t^2 + 4$ D) $36t + 30$

Find the relative extrema of the function, if they exist.

- 15) $f(x) = 3x^4 + 16x^3 + 24x^2 + 32$ 15) _____
A) Relative minimum at (0, 32)
B) Relative maximum at (-2, 48), relative minimum at (0, 32)
C) Relative minimum at (-2, 48)
D) Relative minimum at (-2, 48), relative maximum at (0, 32)

Find the points of inflection.

- 16) $f(x) = \frac{4}{3}x^3 - 12x^2 + 10x + 46$ 16) _____
A) (3, -26) B) (0, 4) C) (3, 0) D) (3, 4)

Solve the problem.

- 17) The Olympic flame at the 1992 Summer Olympics was lit by a flaming arrow. As the arrow moved d feet horizontally from the archer, assume that its height h , in feet, was approximated by the function
 $h = -0.002d^2 + 0.6d + 6.4$.
Find the relative maximum of the function. 17) _____
A) (300, 96.4) B) (0, 6.4) C) (150, 45) D) (150, 51.4)

Determine where the given function is increasing and where it is decreasing.

- 18) $f(x) = x^4 - 18x^2 + 4$ 18) _____
A) Decreasing on $(-\infty, -3]$ and $[0, 3]$, increasing on $[-3, 0]$ and $[3, \infty)$
B) Increasing on $(-\infty, -3]$ and $[3, \infty)$, decreasing on $[-3, 3]$
C) Increasing on $(-\infty, -3]$ and $[0, 3]$, decreasing on $[-3, 0]$ and $[3, \infty)$
D) Decreasing on $(-\infty, -3]$ and $[3, \infty)$, increasing on $[-3, 3]$

Solve the problem.

- 19) Given the revenue and cost functions $R = 30x - 0.3x^2$ and $C = 3x + 13$, where x is the daily production, find the rate of change of profit with respect to time when $x = 10$ units and $\frac{dx}{dt} = 8$ units per day. 19) _____
A) \$211.2 per day B) \$168 per day C) \$210 per day D) \$192 per day
- 20) A rectangular swimming pool 17 m by 10 m is being filled at the rate of $0.6 \text{ m}^3/\text{min}$. How fast is the height h of the water rising? 20) _____
A) 0.84 m/min B) 102 m/min C) 0.0035 m/min D) 0.20 m/min

Find dy/dx by implicit differentiation.

21) $x^3 + 3x^2y + y^3 = 8$

A) $-\frac{x^2 + 3xy}{x^2 + y^2}$

B) $\frac{x^2 + 2xy}{x^2 + y^2}$

C) $-\frac{x^2 + 2xy}{x^2 + y^2}$

D) $\frac{x^2 + 3xy}{x^2 + y^2}$

21) _____

Find the derivative.

22) $y = e^{(8\sqrt{x} + x^3)}$

A) $\left(\frac{4}{\sqrt{x}} + 3x^2\right) e^{(8\sqrt{x} + x^3)}$

B) $(8\sqrt{x} + 3x^2) e^{(8\sqrt{x} + x^3)}$

C) $(8\sqrt{x} + 3x^2) \ln(8\sqrt{x} + x^3)$

D) $e^{(4\sqrt{x} + 3x^2)}$

22) _____

23) $f(x) = (\ln x)^6$

A) $\frac{6(\ln x)^5}{x}$

B) $\frac{1}{(\ln x)^6}$

C) $6(\ln x)^5$

D) $\frac{1}{x^6}$

23) _____

24) $y = e^{x^3} \ln x$

A) $\frac{e^{x^3} + 3x^3 e^{x^3} \ln x}{x}$

B) $\frac{e^{x^3} + 3e^{x^3} \ln x}{x}$

C) $\frac{e^{x^3} + 3x^2 e^{x^3} \ln x}{x}$

D) $\frac{3x^3 e^{x^3} + 1}{x}$

24) _____

Solve the problem.

25) The number of employees of a company, $N(t)$, who have heard a rumor t days after the rumor is started is given by the logistic equation

25) _____

$$N(t) = \frac{345}{1 + 55.8e^{-0.2t}}$$

How many employees have heard the rumor 10 days after it is started?

A) 40 employees

B) 32 employees

C) 36 employees

D) 7 employees

26) Find the doubling time for an amount invested at a growth rate 4% per year compounded continuously.

26) _____

A) 2.8 years

B) 17.3 years

C) 15 years

D) 7.4 years

27) An amount is invested at a certain growth rate, k , per year compounded continuously. The doubling time is 7 years. What is the growth rate k ?

27) _____

A) 9.9%

B) 4.85%

C) 7.39%

D) 11.43%

28) Ben Franklin bequeathed \$4000.00 to the city of Boston in 1790. Assuming the fund grew to \$4 million in 200 years, find the interest rate compounded continuously that would yield this total value.

28) _____

A) 2.6%

B) 3.5%

C) 1.7%

D) 5.7%

Find the derivative.

29) $y = 5xe^x - 5e^x$

A) $5xe^x + 10e^x$

B) $5x$

C) $5e^x$

D) $5xe^x$

29) _____

Differentiate.

30) $y = 2^x - 1$

A) $2^x - 1 \ln x$

B) $2^x - 1 \ln 2$

C) $2 \ln 2$

D) $2^x - 1 \ln 2^x - 1$

30) _____

31) $f(x) = x^5 6^x$

A) $5(\ln 6) x^4 6^x$

B) $5x^4 6^x + (\ln x)x^5 6^x$

C) $5x^4 6^x + (\ln 6)x^5 6^x$

D) $5x^4 6^x + x^5 6^x$

31) _____

Find the derivative.

32) $y = \frac{e^x}{\ln x}$

A) $\frac{e^x - x e^x \ln x}{x \ln^2 x}$

B) $\frac{e^x + x e^x \ln x}{x}$

C) $x e^x$

D) $\frac{x e^x \ln x - e^x}{x \ln^2 x}$

32) _____

Differentiate.

33) $y = \log_5(6x)$

A) $\frac{\ln 5}{x}$

B) $\frac{6}{x \ln 5}$

C) $\frac{1}{x \ln 5}$

D) $\frac{1}{x}$

33) _____

Solve the problem.

34) In one city, 33% of all aluminum cans distributed will be recycled each year. A juice company distributes 209,000 cans. The number still in use after time t , in years, is given by

$$N(t) = 209,000 (0.33)^t.$$

Find $N'(t)$.

A) $N'(t) = 209,000 (\ln t)(0.33)^t$

B) $N'(t) = 209,000 t(0.33)^{t-1}$

C) $N'(t) = 209,000 (\ln 0.33)(0.33)^t$

D) $N'(t) = 209,000 (0.33)^t$

34) _____

Differentiate.

35) $y = (x + 3)^x$

A) $\ln(x + 3) + \frac{x}{x + 3}$

B) $x \ln(x + 3)$

C) $(x + 3)^x \left(\ln(x + 3) + \frac{x}{x + 3} \right)$

D) $x + 3)^{x-1}$

35) _____

36) $y = x^{\ln x}$

A) $(\ln x)^2$

B) $2x^{\ln x} - 1 \ln x$

C) $x^{\ln x} - 1 \ln x$

D) $\frac{2 \ln x}{x}$

36) _____

Find the elasticity of the demand function at the given price and state whether the demand is elastic, inelastic, or whether it has unit elasticity.

37) $q = D(p) = \frac{300}{(p + 8)^2}$; \$7 37) _____

- A) - 8; inelastic B) $\frac{15}{14}$; inelastic C) $\frac{14}{15}$; inelastic D) $\frac{15}{7}$; elastic

Solve the problem.

38) The magnitude R (measured on the Richter scale) of an earthquake of intensity I is defined as 38) _____

$$R = \log \frac{I}{I_0}$$

where I_0 is a minimum intensity used for comparison. What is the magnitude on the Richter scale of an earthquake whose intensity, I, is $10^{4.9} I_0$?

- A) 0.7 B) $4.9 I_0$ C) 4.9 D) 11.3

For the given demand function, find the value(s) of p for which total revenue is maximized.

39) $x = D(p) = 800e^{-0.11p}$ 39) _____

- A) 0.11 B) There is no maximum.
C) 800 D) $\frac{100}{11}$

Solve the problem.

40) Find the present value of \$30,000 due 19 years later at 6.1%, compounded continuously. 40) _____

- A) \$8896.23 B) \$9413.99 C) \$188,679.25 D) \$95,602.35

Evaluate.

41) $\int (10t^2 + 5t - 5) dt$ 41) _____

- A) $\frac{10}{3}t^3 + \frac{5}{2}t^2 - 5t + C$ B) $10t^3 + 5t^2 - 5t + C$
C) $5t^3 + 5t^2 - 5t + C$ D) $20t + 5 + C$

42) $\int \frac{27}{x^2} dx$ 42) _____

- A) $27x + C$ B) $\frac{27}{x} + C$ C) $-\frac{27}{x} + C$ D) $-27x + C$

Find f such that the given conditions are satisfied.

43) $f(x) = 5x^2 - 7x + 4$, $f(0) = 2$ 43) _____

- A) $f(x) = \frac{5}{3}x^3 - \frac{7}{2}x^2 + 4x - 2$ B) $f(x) = \frac{5}{3}x^3 + \frac{7}{2}x^2 + 4x + 2$
C) $f(x) = \frac{5}{3}x^3 - \frac{7}{2}x^2 + 4x + 2$ D) $f(x) = \frac{5}{3}x^3 - \frac{7}{2}x^2 + 4x - 4$

Find the elasticity of the demand function as a function of p.

$$44) x = D(p) = \sqrt{700 - p}$$

44) _____

$$A) E(p) = \frac{1}{1400 - 2p}$$

$$B) E(p) = \frac{p}{1400 - 2p}$$

$$C) E(p) = \frac{p}{\sqrt{700 - p}}$$

$$D) E(p) = \frac{p}{2p - 1400}$$

Find the elasticity of the demand function at the given price and state whether the demand is elastic, inelastic, or whether it has unit elasticity.

$$45) q = D(p) = 700e^{-0.03p}; \quad \$16$$

45) _____

$$A) 0.03; \text{inelastic}$$

$$B) 0.48; \text{inelastic}$$

$$C) 1; \text{unit elasticity}$$

$$D) \frac{1600}{3}; \text{elastic}$$

Evaluate.

$$46) \int \frac{28x}{\sqrt{x}} dx$$

46) _____

$$A) \frac{14}{3}x^{1/2} + C$$

$$B) \frac{28}{3}x^{3/2} + C$$

$$C) \frac{28}{3}x^{1/2} + C$$

$$D) \frac{56}{3}x^{3/2} + C$$

Solve the problem.

$$47) \text{ Find a company's cost function if its marginal cost function is } C'(x) = 5x^2 - 7x + 4 \text{ and } C(6) = 260.$$

47) _____

$$A) C(x) = \frac{5}{3}x^3 - \frac{7}{2}x^2 + 4x - 260$$

$$B) C(x) = \frac{5}{3}x^3 - \frac{7}{2}x^2 + 4x + 2$$

$$C) C(x) = \frac{5}{3}x^3 - \frac{7}{2}x^2 + 4x - 2$$

$$D) C(x) = \frac{5}{3}x^3 - \frac{7}{2}x^2 + 4x + 260$$

$$48) \text{ A company finds that its marginal revenue from the sale of the } x\text{th unit of its product is given by}$$

48) _____

$$R'(x) = 4x^2 - 6. \text{ Assuming that } R(0) = 0, \text{ find the total-revenue function } R.$$

$$A) R(x) = \frac{4}{3}x^3 - 6x$$

$$B) R(x) = 2x^3 - 6x^2$$

$$C) R(x) = \frac{4}{3}x^3 - 3x$$

$$D) R(x) = 8x$$

Find the indicated tangent line.

$$49) \text{ Find the tangent line to the graph of } f(x) = 3e^{4x} \text{ at the point } (0, 3).$$

49) _____

$$A) y = 12x + 3$$

$$B) y = 3x + 3$$

$$C) y = 4x + 3$$

$$D) y = -12x + 3$$

Evaluate using the substitution method.

$$50) \int \frac{8}{(y-9)^3} dy$$

50) _____

$$A) \frac{2}{(y-9)^4} + C$$

$$B) -\frac{2}{(y-9)^4} + C$$

$$C) -\frac{4}{(y-9)^2} + C$$

$$D) \frac{4}{(y-9)^2} + C$$

51) $\int te^{-7t^2} dt$ 51) _____
 A) $-\frac{1}{14} e^{-7t^2} + C$ B) $\frac{1}{7} e^{-7t^2} + C$ C) $-\frac{1}{7} e^{-7t^2} + C$ D) $\frac{1}{14} e^{-7t^2} + C$

52) $\int \frac{\ln 9x}{x} dx$ 52) _____
 A) $\frac{(\ln 9x)^2}{18} + C$ B) $\frac{(\ln 9x)^2}{2} + C$ C) $(\ln 9x)^2 + C$ D) $\frac{(\ln 9x)^2}{9} + C$

53) $\int \frac{x dx}{(7x^2 + 3)^5}$ 53) _____
 A) $-\frac{1}{56}(7x^2 + 3)^{-4} + C$ B) $-\frac{7}{3}(7x^2 + 3)^{-6} + C$
 C) $-\frac{7}{3}(7x^2 + 3)^{-4} + C$ D) $-\frac{1}{14}(7x^2 + 3)^{-6} + C$

Evaluate the indefinite integral.

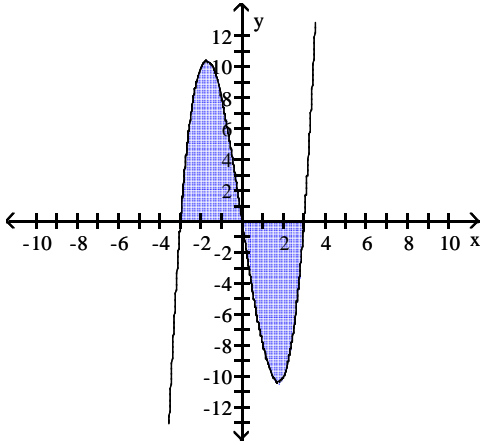
54) $\int (x - 4)^2 x^2 dx$ 54) _____
 A) $\frac{x^5}{4} - \frac{8}{3}x^4 + 8x^3 + C$ B) $x^5 - 8x^4 + 16x^3 + C$
 C) $4x^3 - 2x^4 + \frac{16}{3}x^2 + C$ D) $\frac{x^5}{5} - 2x^4 + \frac{16}{3}x^3 + C$

55) $\int \frac{x^4 - 9x + 7}{x^2} dx$ 55) _____
 A) $\frac{x^3}{3} - \frac{9}{2}x^2 - \frac{7}{x} + C$ B) $\frac{x^3}{3} - 9 \ln|x| - \frac{7}{x} + C$
 C) $x^3 - 9 \ln|x| + \frac{7}{x} + C$ D) $\frac{x^3}{3} + \frac{9}{x^2} - \frac{14}{x^3} + C$

Evaluate the definite integral and interpret the result.

$$56) \int_{-3}^3 (x^3 - 9x) dx$$

56) _____



- A) 81; the shaded area above the x-axis minus the shaded area below the x-axis equals 81.
- B) 0; the shaded area above the x-axis is equal to the shaded area below the x-axis.
- C) 9; the shaded area above the x-axis minus the shaded area below the x-axis equals 9.
- D) 81; the shaded area above the x-axis plus the shaded area below the x-axis equals 81.

Evaluate.

$$57) \int_1^4 \frac{t^2 + 1}{\sqrt{t}} dt$$

57) _____

- A) 32
- B) $\frac{77}{5}$
- C) $\frac{72}{5}$
- D) $\frac{92}{5}$

Solve the problem.

58) A company estimates that its sales will grow continuously at a rate given by the function

58) _____

$$S'(t) = 15e^{t^2}$$

where $S'(t)$ is the rate at which sales are increasing, in dollars per day, on day t . Find the sales from the 2nd day through the 6th day. (This is the integral from 1 to 6.)

- A) \$6010.66
- B) \$3630.86
- C) \$6051.43
- D) \$400.71

Find the area bounded by the given curves.

$$59) y = \frac{1}{2}x^2, y = -x^2 + 6$$

59) _____

- A) 4
- B) 8
- C) 16
- D) 32

Find the average value over the given interval.

$$60) y = x^2 - 6x + 4; [0, 2]$$

60) _____

- A) $\frac{10}{3}$
- B) -1
- C) -4
- D) $-\frac{2}{3}$

Evaluate using the substitution method.

61) $\int \frac{e^x dx}{e^x + e}$ 61) _____

- A) $\ln|e^x + e| + C$ B) $e \ln|e^x + e| + C$ C) $\frac{x}{e} + C$ D) $x + C$

62) $\int \frac{6x^5 dx}{(10 + x^6)^3}$ 62) _____

- A) $-\frac{6x^5}{(10 + x^6)^2} + C$ B) $-\frac{1}{2(10 + x^6)^2} + C$
C) $-\frac{1}{4(10 + x^6)^4} + C$ D) $\frac{1}{4} (10 + x^6)^4 + C$

63) $\int 5e^{3x} dx$ 63) _____

- A) $\frac{5}{3}e^{3x} + C$ B) $\frac{1}{3}e^{3x} + C$
C) $5e^{3x} + C$ D) $\frac{5}{3x+1} e^{3x+1} + C$

Evaluate.

64) $\int_1^2 x(x^2 + 1)^4 dx$ 64) _____

- A) $\frac{3093}{5}$ B) $\frac{609}{10}$ C) 3093 D) $\frac{3093}{10}$

Solve the problem.

65) The rate of expenditure on a particular machine is given by $M'(x) = 15x\sqrt{x^2 + 5}$, where x is time measured in years. Maintenance costs through the second year are \$ 134. Find the total maintenance function. 65) _____

- A) $M(x) = 15(x^2 + 5)^{3/2} + 119$ B) $M(x) = 5(x^2 + 5)^{3/2} - 1$
C) $M(x) = 5(x^2 + 5)^{3/2} + 119$ D) $M(x) = 15(x^2 + 5)^{3/2} - 1$

Evaluate.

66) $\int \frac{x^3}{e^{x^4}} dx$ 66) _____

- A) $-\frac{1}{4e^{x^4}} + C$ B) $-\frac{1}{4e^{x^4-1}} + C$ C) $\frac{1}{e^{x^4}} + C$ D) $\frac{3x^2}{e^{x^4}} + C$

Evaluate using integration by parts.

67) $\int e^{2x} x^2 dx$

67) _____

A) $\frac{1}{2}x^2e^{2x} - \frac{1}{2}xe^{2x} + C$

B) $\frac{1}{2}x^2e^{2x} - \frac{1}{4}xe^{2x} + \frac{1}{4}e^{2x} + C$

C) $\frac{1}{2}x^2e^{2x} - xe^{2x} + \frac{1}{4}e^{2x} + C$

D) $\frac{1}{2}x^2e^{2x} - \frac{1}{2}xe^{2x} + \frac{1}{4}e^{2x} + C$

68) $\int 5x \ln x dx$

68) _____

A) $\frac{5}{2}x \ln x - \frac{5}{4}x + C$

B) $\frac{5}{2}x^2 \ln x - \frac{x^2}{4} + C$

C) $\frac{5}{2}x^2 \ln x - \frac{5}{4}x^2 + C$

D) $\frac{x^2}{2} \ln x - \frac{x^2}{4} + C$

Find the integral.

69) $\int_1^3 \ln 4x dx$

69) _____

A) 11.1

B) 4.07

C) 8.07

D) -1.93

Evaluate.

70) $\int_0^1 (x+4)^3 dx$

70) _____

A) 27

B) 369

C) $\frac{369}{4}$

D) $\frac{625}{4}$

Answer Key

Testname: PRACTICE FOR THE FINAL EXAM

- 1) A
- 2) C
- 3) C
- 4) D
- 5) B
- 6) D
- 7) C
- 8) B
- 9) D
- 10) D
- 11) A
- 12) C
- 13) B
- 14) B
- 15) A
- 16) D
- 17) D
- 18) A
- 19) B
- 20) C
- 21) C
- 22) A
- 23) A
- 24) A
- 25) A
- 26) B
- 27) A
- 28) B
- 29) D
- 30) B
- 31) C
- 32) D
- 33) C
- 34) C
- 35) C
- 36) B
- 37) C
- 38) C
- 39) D
- 40) B
- 41) A
- 42) C
- 43) C
- 44) B
- 45) B
- 46) D
- 47) B
- 48) A
- 49) A
- 50) C

Answer Key

Testname: PRACTICE FOR THE FINAL EXAM

- 51) A
- 52) B
- 53) A
- 54) D
- 55) B
- 56) B
- 57) C
- 58) A
- 59) C
- 60) D
- 61) A
- 62) B
- 63) A
- 64) D
- 65) B
- 66) A
- 67) D
- 68) C
- 69) B
- 70) C