Problem # 1 answer:

$$\frac{1}{\chi+1} + \frac{2-\chi}{\chi^2-\chi+1}$$

Problem # 2 answer:

$$\frac{2}{\sqrt{3}} + a n^{-1} \left(\frac{2 x - 1}{\sqrt{3}} \right) + C$$

Problem # 3 answer:

Problem # 4 answer:

$$y = \sqrt{5e^{x^{2}/2}} - 1$$

Problem # 5 answer:

Problem # 6 answer:

Problem # 7 answer:

Problem # 8 answer:

Problem # 9 answer:

1

Pro	hlem	1 #	10	answer:	

7

Problem # 11 answer:

VZ 1

Problem # 12 answer:

Problem # 13 answer:

$$\chi + \frac{\chi^3}{6}$$

Problem # 14 answer:

Problem # 15 answer:

(a)
$$3(x-1)+3(x-1)^2$$

Problem # 16 answer:

(a)
$$\chi^2 - \chi^4$$

(b) 10392
(c) 4

Problem # 17 answer:

(a)
$$4+4\ln 2(\chi-2)+2\ln (2)^{2}(\chi-2)^{2}$$
(b) 4.28687 or 4.28688

21 $5(\ln 2)^{3} \frac{2}{2} \frac{(z-2)^{2}}{2} dz$
(d) $.00033$