Problem # 1 answer:

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

Problem # 2 answer:

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

Problem # 3 answer:

$$ln(2) + \frac{\gamma}{\sqrt{3}}$$

Problem # 4 answer:

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

Problem # 5 answer:

Problem # 6 answer:

Problem # 7 answer:

$$(1,1)$$
 $r=\sqrt{2}$

Problem # 8 answer:

Problem # 9 answer:

Problem # 10 answer:	7
Problem # 11 answer:	VZ 11
Problem # 12 answer:	$\frac{7}{4} + \frac{(\chi - 1)}{2}$
Problem # 13 answer:	$x+\frac{x^3}{6}$

Problem # 14 answer:

Problem # 15 answer:

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

(b) $.33$
(c) $,001$

Problem # 16 answer:

(a)
$$\chi^2 - \chi^4_{\overline{2}}$$

(b) , 0392
(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

2.1 $(x-2)^{2}$
(c) $(x-2)^{2}$
(d) $(x-2)^{2}$
(d) $(x-2)^{2}$
(e) $(x-2)^{2}$
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(d) $(x-2)^{2}$
(e) $(x-2)^{2}$
(f) $(x-2)^{2}$
(f) $(x-2)^{2}$
(g) $(x-2)^{2}$
(h) $(x-2)^$