

Answers to even-numbered problems of second part of Homework 9

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9.16

#4. 96π .

#6. 240.

#8. $\frac{891}{4}$.

#14. $\frac{496\pi}{5}$.

2.5

#2. $x^2 + 2xy = c_1$.

#8. $(y - x)^2 = c_1(y + x)$.

#18. $y^{-1} = -1 + \frac{1}{x} + \frac{c}{x}e^{-x}$.

3.6

#4. $y = c_1 + c_2x^4$.

#8. $y = c_1x^{-1+\sqrt{5}} + c_2x^{-1-\sqrt{5}}$.

#12. $y = c_1x^{-1} + c_2x^{-6}$.