

$$9.13. \frac{dy}{dx} - 3y = 2.$$

$$9.15. \frac{dy}{dx} + 2xy = xe^{-x^2}.$$

$$9.17. \frac{dy}{dx} + y \operatorname{tg} x = \sin 2x.$$

$$9.19. \frac{dy}{dx} + \frac{y}{x} = 2.$$

$$9.21. \frac{dy}{dx} + \frac{xy}{1+x^2} = \frac{1}{x(1+x^2)}.$$

$$9.23. \frac{dy}{dx} + \frac{ay}{1+x^2} = \frac{b}{1+x^2}.$$

$$9.25. \frac{dy}{dx} + \frac{xy}{a^2+x^2} = \frac{\sqrt{a^2+x^2}}{x^2}.$$

$$9.27. \frac{dy}{dx} - \frac{y}{(1+x^2) \operatorname{arctg} x} = \frac{\cos x}{\sqrt{\sin x}} \operatorname{arctg} x.$$

$$9.28. \frac{dy}{dx} + \frac{xy}{1+x^2} = \frac{\sin x}{\sqrt{1+x^2}}.$$

$$9.30. x \frac{dy}{dx} - 2y = x + 1.$$

$$9.32. x \frac{dy}{dx} + y = x \sin x.$$

$$9.14. \frac{dy}{dx} - 2xy = x - x^3.$$

$$9.16. \frac{dy}{dx} + y \cos x = \frac{1}{2} \sin 2x.$$

$$9.18. \frac{dy}{dx} - y \operatorname{tg} x = 2 \cos^2 x.$$

$$9.20. \frac{dy}{dx} - \frac{2y}{x+1} = (x+1)^3.$$

$$9.22. \frac{dy}{dx} + \frac{xy}{1+x^2} = -\frac{1}{2x(1+x^2)}.$$

$$9.24. \frac{dy}{dx} + \frac{xy}{1-x^2} = \frac{ax}{1-x^2}.$$

$$9.26. \frac{dy}{dx} - \frac{y}{\sin x} = \operatorname{tg} \frac{1}{2} x.$$

$$9.29. \frac{dy}{dx} - \frac{y}{\sqrt{1+x^2}} = a \frac{x + \sqrt{1+x^2}}{\sqrt{1-x^2}}.$$

$$9.31. x \frac{dy}{dx} + 3y = x^2.$$

$$9.33. x \frac{dy}{dx} - 2y = xe^{-1/x}.$$