

Розв'язати систему диференціальних рівнянь.

$$32.1. \begin{cases} \frac{dx}{dt} = 2x + 3y, \\ \frac{dy}{dt} = 5x + 4y. \end{cases}$$

$$32.2. \begin{cases} \frac{dx}{dt} = 3x + y, \\ \frac{dy}{dt} = x + 3y. \end{cases}$$

$$32.3. \begin{cases} \frac{dx}{dt} = 8x - 3y, \\ \frac{dy}{dt} = 2x + y. \end{cases}$$

$$32.4. \begin{cases} \frac{dx}{dt} = 4x + 2y, \\ \frac{dy}{dt} = 4x + 6y. \end{cases}$$

$$32.5. \begin{cases} \frac{dx}{dt} = -x - 2y, \\ \frac{dy}{dt} = 3x + 4y. \end{cases}$$

$$32.6. \begin{cases} \frac{dx}{dt} = 2x + y, \\ \frac{dy}{dt} = -6x - 3y. \end{cases}$$

$$32.7. \begin{cases} \frac{dx}{dt} = 6x - y, \\ \frac{dy}{dt} = 3x + 2y. \end{cases}$$

$$32.8. \begin{cases} \frac{dx}{dt} = -2x + y, \\ \frac{dy}{dt} = -3x + 2y. \end{cases}$$

$$32.9. \begin{cases} \frac{dx}{dt} = x - y, \\ \frac{dy}{dt} = -4x + 4y. \end{cases}$$

$$32.10. \begin{cases} \frac{dx}{dt} = -x + 8y, \\ \frac{dy}{dt} = x + y. \end{cases}$$

$$32.11. \begin{cases} \frac{dx}{dt} = x - y, \\ \frac{dy}{dt} = -4x + y. \end{cases}$$

$$32.12. \begin{cases} \frac{dx}{dt} = 2x + y, \\ \frac{dy}{dt} = 3x + 4y. \end{cases}$$

$$32.13. \begin{cases} \frac{dx}{dt} = x + 2y, \\ \frac{dy}{dt} = 3x + 6y. \end{cases}$$

$$32.14. \begin{cases} \frac{dx}{dt} = 5x + 4y, \\ \frac{dy}{dt} = 4x + 5y. \end{cases}$$

$$32.15. \begin{cases} \frac{dx}{dt} = x + 2y, \\ \frac{dy}{dt} = 3x + 4y. \end{cases}$$

$$32.16. \begin{cases} \frac{dx}{dt} = x + 4y, \\ \frac{dy}{dt} = x + y. \end{cases}$$

$$32.17. \begin{cases} \frac{dx}{dt} = 3x - 2y, \\ \frac{dy}{dt} = 2x + 8y. \end{cases}$$

$$32.18. \begin{cases} \frac{dx}{dt} = x + 4y, \\ \frac{dy}{dt} = 2x + 3y. \end{cases}$$

$$32.19. \begin{cases} \frac{dx}{dt} = 7x + 3y, \\ \frac{dy}{dt} = x + 5y. \end{cases}$$

$$32.20. \begin{cases} \frac{dx}{dt} = 4x - y, \\ \frac{dy}{dt} = -x + 4y. \end{cases}$$

$$32.21. \begin{cases} \frac{dx}{dt} = 2x + 8y, \\ \frac{dy}{dt} = x + 4y. \end{cases}$$

$$32.22. \begin{cases} \frac{dx}{dt} = 5x + 8y, \\ \frac{dy}{dt} = 3x + 3y. \end{cases}$$

$$32.23. \begin{cases} \frac{dx}{dt} = 3x + y, \\ \frac{dy}{dt} = 8x + y. \end{cases}$$

$$32.24. \begin{cases} \frac{dx}{dt} = x - 5y, \\ \frac{dy}{dt} = -x - 3y. \end{cases}$$

$$32.25. \begin{cases} \frac{dx}{dt} = -5x + 2y, \\ \frac{dy}{dt} = x - 6y. \end{cases}$$

$$32.27. \begin{cases} \frac{dx}{dt} = 4x - 8y, \\ \frac{dy}{dt} = -8x + 4y. \end{cases}$$

$$32.29. \begin{cases} \frac{dx}{dt} = -7x + 5y, \\ \frac{dy}{dt} = 4x - 8y. \end{cases}$$

$$32.26. \begin{cases} \frac{dx}{dt} = 6x + 3y, \\ \frac{dy}{dt} = -8x - 5y. \end{cases}$$

$$32.28. \begin{cases} \frac{dx}{dt} = 4x + 6y, \\ \frac{dy}{dt} = 4x + 2y. \end{cases}$$

$$32.30. \begin{cases} \frac{dx}{dt} = -4x - 8y, \\ \frac{dy}{dt} = -4x - 2y. \end{cases}$$