

## PROBLEMS

1. Let  $f(x) = x^2 + 2x + 1$ . Find  $f(3)$ .

2. Let  $f(x) = x^2 + 2x + 1$ . Find  $f'(x)$ .

3. Let  $f(x) = x^2 + 2x + 1$ . Find  $f''(x)$ .

4. Let  $f(x) = x^2 + 2x + 1$ . Find  $f'''(x)$ .

5. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(4)}(x)$ .

6. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(5)}(x)$ .

7. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(6)}(x)$ .

8. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(7)}(x)$ .

9. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(8)}(x)$ .

10. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(9)}(x)$ .

11. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(10)}(x)$ .

12. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(11)}(x)$ .

13. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(12)}(x)$ .

14. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(13)}(x)$ .

15. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(14)}(x)$ .

16. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(15)}(x)$ .

17. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(16)}(x)$ .

18. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(17)}(x)$ .

19. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(18)}(x)$ .

20. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(19)}(x)$ .

21. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(20)}(x)$ .

22. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(21)}(x)$ .

23. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(22)}(x)$ .

24. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(23)}(x)$ .

25. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(24)}(x)$ .

26. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(25)}(x)$ .

27. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(26)}(x)$ .

28. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(27)}(x)$ .

29. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(28)}(x)$ .

30. Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(29)}(x)$ .

## KINGSTON

