

$$29. \int \frac{2x^2 + 3x + 2}{x^3 + 4x^2 + 6x + 4} dx$$

$$30. \int \frac{\sec^2(t) [\sec^2(t) + 1]}{\tan^3(t) + 1} dt$$

$$31. \int \frac{4x^2 - 21x}{(x-3)^2 (2x+3)} dx$$

$$32. \int \frac{6x^2 + 7x - 6}{(x^2 - 4)(x+2)} dx$$

$$33. \int \frac{x^2 + 3x - 44}{(x+3)(x+5)(3x-2)} dx$$

$$34. \int \frac{\cos(x)}{\sin(x) [\sin(x) - 1]} dx$$

$$35. \int \frac{2x^3 - 4x - 8}{(x^2 - x)(x^2 + 4)} dx$$

$$36. \int \frac{dx}{x(x-1)^3}$$