

1

$$f(x) = 30(2x + 7)^{14}$$

$$F(x) =$$

2

$$f(x) = 30x(x^2 + 7)^{14}$$

$$F(x) =$$

3

$$f(x) = x(2x^2 + 7)^{14}$$

$$F(x) =$$

4

$$f(x) = 125(5x^3 + 10x)^{24} \cdot (3x^2 + 2)$$

$$F(x) =$$

5

$$f(x) = 3(x^3 + 6x)^{10} \cdot (x^2 + 2)$$

$$F(x) =$$

6

$$f(x) = \sqrt{5x + 3}$$

$$F(x) =$$

7

$$f(x) = \frac{x}{\sqrt{x^2 + 5}}$$

$$F(x) =$$

8

$$f(x) = \frac{3x^2 - 1}{2 \cdot \sqrt{x^3 - x}}$$

$$F(x) =$$

9

$$f(x) = \frac{5}{3}x^4 - \frac{3}{4}x^2 + 1$$

$$F(x) =$$

$$\frac{1}{60}\left(2x^2+7\right)^{15}+c$$

$$\frac{\left(x^2+7\right)^{15}+c}{(2x+7)^{15}+c}$$

$$\frac{2}{15}\sqrt{(5x+3)^3}+c$$

$$\frac{1}{11}\left(x^3+6x\right)^{11}+c \qquad \qquad \qquad \left(5x^3+10x\right)^{25}+c$$

$$\frac{1}{3}\,x^5-\frac{1}{4}\,x^3+x+c$$

$$\sqrt{x^3-x}+c$$

$$\sqrt{x^2+5}+c$$

10

$$f(x) = x^3 - 5x^2 + 3x - 2$$

$$F(x) =$$

11

$$f(x) = (x + 1)^2$$

$$F(x) =$$

12

$$f(x) = (2x + 1)^3$$

$$F(x) =$$

13

$$f(x) = (2 - x)^{12}$$

$$F(x) =$$

14

$$f(x) = 6x(3x^2 + 1)^2$$

$$F(x) =$$

15

$$f(x) = (2x - 3)(x^2 - 3x + 1)^5$$

$$F(x) =$$

16

$$f(x) = 6x(1 - x^2)^3$$

$$F(x) =$$

17

$$f(x) = (1 - 2x)^2$$

$$F(x) =$$

18

$$f(x) = 2x + 1 - \frac{1}{x^2}$$

$$F(x) =$$

$$\frac{1}{8}\left(2x+1\right)^4+c$$

$$\frac{1}{3}\left(x+1\right)^3+c$$

$$\frac{1}{4}\,x^4-\frac{5}{3}\,x^3+\frac{3}{2}\,x^2-2x+c$$

$$\frac{1}{6}\left(x^2-3x+1\right)^6+c$$

$$\frac{1}{3}\left(3x^2+1\right)^3+c$$

$$-\frac{1}{13}\left(2-x\right)^{13}+c$$

$$x^2+x+\frac{1}{x}+c$$

$$-\frac{1}{6}\left(1-2x^3\right)+c$$

$$-\frac{3}{4}\left(1-x^2\right)^4+c$$

19

$$f(x) = \frac{1}{(x - 1)^2}$$

$$F(x) =$$

20

$$f(x) = -\frac{4}{x^4} - \frac{1}{x^3} + \frac{3}{x^5}$$

$$F(x) =$$

21

$$f(x) = \frac{x^3 - 3}{x^2}$$

$$F(x) =$$

22

$$f(x) = \frac{3x^2}{(1 + 2x^3)^2}$$

$$F(x) =$$

23

$$f(x) = \frac{2}{x^3} + \frac{1}{2x^2}$$

$$F(x) =$$

24

$$f(x) = (3x + 2)^6$$

$$F(x) =$$

25

$$f(x) = (16x - 10)(4x^2 - 5x)^2$$

$$F(x) =$$

26

$$f(x) = \frac{2x + 1}{(x^2 + x + 3)^2}$$

$$F(x) =$$

27

$$f(x) = x\sqrt{x}$$

$$F(x) =$$

$$\frac{x^2}{2}+\frac{3}{x}+c$$

$$\frac{4}{3x^3}+\frac{1}{2x^2}-\frac{3}{4x^4}+c$$

$$\frac{1}{1-x}+c$$

$$\frac{1}{21}\left(3x+2\right)^7+c$$

$$-\frac{1}{x^2}-\frac{1}{2x}+c$$

$$\frac{-1}{2\left(1+2x^3\right)}+c$$

$$\frac{2}{5}\sqrt{x^5}+c$$

$$\frac{-1}{x^2+x+3}+c$$

$$\frac{2}{3}\left(4x^2-5x\right)^3+c$$