30.11

1) **α)** $f(x)=\left(\sqrt{x-2}\right)' \Rightarrow F(x)=\sqrt{x-2}+c$

β) $f(x)=(x\eta\mu x)' \Rightarrow F(x)=x\eta\mu x+c$

γ) $f(x)=\left(xe^{\frac{1}{x}}\right)' \Rightarrow F(x)=xe^{\frac{1}{x}}+c$

2) $f(x)=\left(\sqrt{\eta\mu x}\right)' \Rightarrow F(x)=\sqrt{\eta\mu x}+c$

3) $f(x)=\left(\sqrt{e^x+1}\right)' \Rightarrow F(x)=\sqrt{e^x+1}+c$

4) $f(x)=\left(\sqrt{2+x^2}\right)' \Rightarrow F(x)=\sqrt{2+x^2}+c$

5) $f(x)=(x\sigma\upsilon\nu x)' \Rightarrow F(x)=x\sigma\upsilon\nu x+c$

6) $f(x)=\left(-\frac{1}{\sigma\upsilon\nu x}\right)' \Rightarrow F(x)=-\frac{1}{\sigma\upsilon\nu x}+c$

7) $f(x)=\left(\frac{\eta\mu x}{x}\right)' \Rightarrow F(x)=\frac{\eta\mu x}{x}+c$

8) $f(x)=\left(\frac{\sigma\upsilon\nu x}{x}\right)' \Rightarrow F(x)=\frac{\sigma\upsilon\nu x}{x}+c$

9) $f(x)=\left(\frac{\ln x}{x}\right)' \Rightarrow F(x)=\frac{\ln x}{x}+c$

10) $f(x)=\left(\frac{e^x}{x}\right)' \Rightarrow F(x)=\frac{e^x}{x}+c$

11) $f(x)=\left(xe^x\right)' \Rightarrow F(x)=xe^x+c$

12) $f(x)=\left(x^2e^x\right)' \Rightarrow F(x)=x^2e^x+c$

13) $f(x)=\left(e^x\eta\mu x\right)' \Rightarrow F(x)=e^x\eta\mu x+c$

14) $f(x)=\left(x^2\eta\mu x\right)' \Rightarrow F(x)=x^2\eta\mu x+c$

15) $f(x)=\left[(x+2)\ln x\right]' \Rightarrow F(x)=(x+2)\ln x+c$

16) $f(x)=\left(\frac{\ln^2 x}{2}\right)' \Rightarrow F(x)=\frac{\ln^2 x}{2}+c$

17) $f(x)=\left(\frac{\varepsilon\varphi^2 x}{2}\right)' \Rightarrow F(x)=\frac{\varepsilon\varphi^2 x}{2}+c$

18) $f(x)=\left(x^2\sigma\upsilon\nu x\right)' \Rightarrow F(x)=x^2\sigma\upsilon\nu x+c$

19) $f(x)=\left(\frac{x^2-3x+1}{2^x}\right)' \Rightarrow F(x)=\frac{x^2-3x+1}{2^x}+c$

20) $f(x)=\left(\frac{x^2-3x}{\sigma\upsilon\nu x}\right)' \Rightarrow F(x)=\frac{x^2-3x}{\sigma\upsilon\nu x}+c$