1.

1 $y = \sin\left(3x^2 + 1\right)$

2 $y = \cos\left(x^3 - x\right)$

3 $y = \tan\left(3x + 2\right)$

4 $y = \mathrm{Sin}^{-1}(5x - 2)$

5 $y = \mathrm{Cos}^{-1}\left(x^3 + \dfrac{1}{x}\right)$

6 $y = \mathrm{Tan}^{-1}\left(\dfrac{1}{x+1}\right)$

7 $y = \mathrm{Sin}^{-1}x \times \mathrm{Cos}^{-1}x$

8 $y = e^{2x+1}$

9 $y = 3e^{x^2 - x}$

10 $y = e^{\frac{1}{x}}$

11 $y = 3^x$

12 $y = 5^{7x-1}$

13 $y = 2^{x^2+5}$

14 $y = e^x \sin x$