








- 14.  $\frac{1}{x^2} \frac{d}{dx} x^2 = 2x \cdot \frac{1}{x^3} = \frac{2}{x^2}$
- 15.  $\frac{1}{x^2} \frac{d}{dx} x^3 = 3x^2 \cdot \frac{1}{x^3} = \frac{3x^2}{x^3} = \frac{3}{x}$
- 16.  $\frac{1}{x^2} \frac{d}{dx} x^4 = 4x^3 \cdot \frac{1}{x^3} = 4$
- 17.  $\frac{1}{x^2} \frac{d}{dx} x^5 = 5x^4 \cdot \frac{1}{x^3} = \frac{5x^4}{x^3} = 5x$
- 18.  $\frac{1}{x^2} \frac{d}{dx} x^6 = 6x^5 \cdot \frac{1}{x^3} = \frac{6x^5}{x^3} = 6x^2$

19.  $\frac{d}{dx} x^2 = 2x$

- 1.  $\frac{d}{dx} x^2 = 2x$
- 2.  $\frac{d}{dx} x^3 = 3x^2$
- 3.  $\frac{d}{dx} x^4 = 4x^3$
- 4.  $\frac{d}{dx} x^5 = 5x^4$
- 5.  $\frac{d}{dx} x^6 = 6x^5$
- 6.  $\frac{d}{dx} x^7 = 7x^6$
- 7.  $\frac{d}{dx} x^8 = 8x^7$
- 8.  $\frac{d}{dx} x^9 = 9x^8$
- 9.  $\frac{d}{dx} x^{10} = 10x^9$
- 10.  $\frac{d}{dx} x^{11} = 11x^{10}$
- 11.  $\frac{d}{dx} x^{12} = 12x^{11}$
- 12.  $\frac{d}{dx} x^{13} = 13x^{12}$
- 13.  $\frac{d}{dx} x^{14} = 14x^{13}$
- 14.  $\frac{d}{dx} x^{15} = 15x^{14}$
- 15.  $\frac{d}{dx} x^{16} = 16x^{15}$
- 16.  $\frac{d}{dx} x^{17} = 17x^{16}$
- 17.  $\frac{d}{dx} x^{18} = 18x^{17}$
- 18.  $\frac{d}{dx} x^{19} = 19x^{18}$

  
 بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ  
 مُحَمَّدٌ بْنُ عَبْدِ الرَّحْمٰنِ