

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



مۆھىم مەخسۇسەتە ئىشلىتىش رەھبەرىيىتى

دۆلەت تەربىيە مەھسۇلاتى

سەنئەت نومۇرى: (IUL)458/458/2021/24

رەھبەرىيەت

رەھبەرىيەت مەھسۇسەتە ئىشلىتىش	دۆلەت:
J-332521 / J-332501	دۆلەت سەنئەت نومۇرى:
2 (تەرەپ)	مەھسۇسەتە ئىشلىتىش تەرەپ:
تەربىيە	دۆلەت سەنئەت نومۇرى:
2. نۆ. نۆ.	دۆلەت سەنئەت نومۇرى:
مەھسۇسەتە ئىشلىتىش رەھبەرىيىتى 2	دۆلەت سەنئەت نومۇرى:
مۆھىم مەخسۇسەتە ئىشلىتىش رەھبەرىيىتى	قېتىملىق ئىشلىتىش مەبلەغى:
6,295.00 تىرلەر	دۆلەت:
2,000.00 تىرلەر	سەھىپە ئىشلىتىش:
1. نۆ. قېتىملىق ئىشلىتىش رەھبەرىيىتى مەبلەغى 35% نى ئۆز ئىچىگە ئالىدۇ. 2. مەھسۇسەتە ئىشلىتىش رەھبەرىيىتى / سەھىپە ئىشلىتىش رەھبەرىيىتى:	نۆ. ئىشلىتىش رەھبەرىيىتى:
<ul style="list-style-type: none"> <li>• مەھسۇسەتە ئىشلىتىش رەھبەرىيىتى، دۆلەت سەنئەت نومۇرى 28% نى ئۆز ئىچىگە ئالىدۇ. نۆ. ئىشلىتىش رەھبەرىيىتى مەبلەغى 7 نۆ. ئىشلىتىش رەھبەرىيىتى مەبلەغى 28% نى ئۆز ئىچىگە ئالىدۇ. (نۆ. ئىشلىتىش رەھبەرىيىتى مەبلەغى)</li> <li>• سەھىپە ئىشلىتىش رەھبەرىيىتى 2: مەھسۇسەتە ئىشلىتىش رەھبەرىيىتى مەبلەغى 900.00 تىرلەر.</li> </ul>	
1. سەھىپە ئىشلىتىش رەھبەرىيىتى مەبلەغى 28% نى ئۆز ئىچىگە ئالىدۇ. نۆ. ئىشلىتىش رەھبەرىيىتى مەبلەغى 7 نۆ. ئىشلىتىش رەھبەرىيىتى مەبلەغى 28% نى ئۆز ئىچىگە ئالىدۇ. (نۆ. ئىشلىتىش رەھبەرىيىتى مەبلەغى) 2. قېتىملىق ئىشلىتىش مەبلەغى 6,295.00 تىرلەر. نۆ. ئىشلىتىش رەھبەرىيىتى مەبلەغى 7 نۆ. ئىشلىتىش رەھبەرىيىتى مەبلەغى 28% نى ئۆز ئىچىگە ئالىدۇ. (نۆ. ئىشلىتىش رەھبەرىيىتى مەبلەغى) 3. قېتىملىق ئىشلىتىش مەبلەغى 6,295.00 تىرلەر. نۆ. ئىشلىتىش رەھبەرىيىتى مەبلەغى 7 نۆ. ئىشلىتىش رەھبەرىيىتى مەبلەغى 28% نى ئۆز ئىچىگە ئالىدۇ. (نۆ. ئىشلىتىش رەھبەرىيىتى مەبلەغى)	دۆلەت سەنئەت نومۇرى دۆلەت سەنئەت نومۇرى قېتىملىق مەبلەغى:







<ol style="list-style-type: none"> <li>2. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> <li>3. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> <li>4. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> <li>5. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> <li>6. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> </ol> <p><b>دکترای ۱ و ۲ به شرح زیر است:</b></p> <ol style="list-style-type: none"> <li>1. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> <li>2. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> <li>3. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> </ol> <p><b>شرح:</b> دکتری ۱ و ۲ به شرح زیر است و در جدول ۱ و ۲ آمده است و در جدول ۳ نیز آمده است. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></p>	
<p><b>دکتری ۳ و ۴ به شرح زیر است:</b></p> <ol style="list-style-type: none"> <li>1. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> <li>2. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> </ol>	
<p><b>دکتری ۵ و ۶ به شرح زیر است:</b></p> <ol style="list-style-type: none"> <li>1. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> <li>2. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> </ol>	
<p><b>دکتری ۱ تا ۶ به شرح زیر است:</b></p> <ol style="list-style-type: none"> <li>دکتری ۱: 271250</li> <li>دکتری ۲: 1 (انبار)</li> <li>دکتری ۳: <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> <li>دکتری ۴: 2</li> <li>دکتری ۵: <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> <li>دکتری ۶: <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> <li>دکتری ۷: 6,295.00</li> <li>دکتری ۸: 2,000.00</li> </ol>	
<p><b>دکتری ۹ و ۱۰ به شرح زیر است:</b></p> <ol style="list-style-type: none"> <li>1. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> <li>2. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> </ol> <p>35% انبار</p>	<p><b>دکتری ۹ و ۱۰ به شرح زیر است:</b></p> <ol style="list-style-type: none"> <li>1. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> <li>2. <math>\frac{\text{مبلغ سرانه} \times \text{تعداد کل جمعیت}}{\text{تعداد کل جمعیت}}</math></li> </ol>

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

1.  $\frac{d}{dx} x^2 = 2x$  |  $\frac{d}{dx} x^3 = 3x^2$  |  $\frac{d}{dx} x^4 = 4x^3$  |  $\frac{d}{dx} x^5 = 5x^4$  |  $\frac{d}{dx} x^6 = 6x^5$  |  $\frac{d}{dx} x^7 = 7x^6$  |  $\frac{d}{dx} x^8 = 8x^7$  |  $\frac{d}{dx} x^9 = 9x^8$  |  $\frac{d}{dx} x^{10} = 10x^9$  |  $\frac{d}{dx} x^{11} = 11x^{10}$  |  $\frac{d}{dx} x^{12} = 12x^{11}$  |  $\frac{d}{dx} x^{13} = 13x^{12}$  |  $\frac{d}{dx} x^{14} = 14x^{13}$  |  $\frac{d}{dx} x^{15} = 15x^{14}$  |  $\frac{d}{dx} x^{16} = 16x^{15}$  |  $\frac{d}{dx} x^{17} = 17x^{16}$  |  $\frac{d}{dx} x^{18} = 18x^{17}$  |  $\frac{d}{dx} x^{19} = 19x^{18}$  |  $\frac{d}{dx} x^{20} = 20x^{19}$
- دگرگونی سادگی:**
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.  $\frac{d}{dx} x^6 = 6x^5$
- دگرگونی سادگی:**
1.  $\frac{d}{dx} x^2 = 2x$
  2.  $\frac{d}{dx} x^3 = 3x^2$
  3.  $\frac{d}{dx} x^4 = 4x^3$
- ساده:  $\frac{d}{dx} x^2 = 2x$  |  $\frac{d}{dx} x^3 = 3x^2$  |  $\frac{d}{dx} x^4 = 4x^3$  |  $\frac{d}{dx} x^5 = 5x^4$  |  $\frac{d}{dx} x^6 = 6x^5$  |  $\frac{d}{dx} x^7 = 7x^6$  |  $\frac{d}{dx} x^8 = 8x^7$  |  $\frac{d}{dx} x^9 = 9x^8$  |  $\frac{d}{dx} x^{10} = 10x^9$  |  $\frac{d}{dx} x^{11} = 11x^{10}$  |  $\frac{d}{dx} x^{12} = 12x^{11}$  |  $\frac{d}{dx} x^{13} = 13x^{12}$  |  $\frac{d}{dx} x^{14} = 14x^{13}$  |  $\frac{d}{dx} x^{15} = 15x^{14}$  |  $\frac{d}{dx} x^{16} = 16x^{15}$  |  $\frac{d}{dx} x^{17} = 17x^{16}$  |  $\frac{d}{dx} x^{18} = 18x^{17}$  |  $\frac{d}{dx} x^{19} = 19x^{18}$  |  $\frac{d}{dx} x^{20} = 20x^{19}$

دگرگونی سادگی:





