

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



# ދިވެހިސަރުކާރުގެ ގެޒެޓް

ނަންބަރު

ވޮލިއުމް 7 ޖެޓް 1440 - 12 ވަނަ އަދަދު 2019

313 ވަނަ އަދަދު

48 ވޮލިއުމް

މަޢުލޫމާތު ސަރުކާރުގެ ފޮޓޯ: 2019/R-308

މިއަދުގެ ފޮޓޯގައި ބަޔާންކުރެވިފައިވާ ގޮތުގައި

ސ.ރ. ވަނަ އަދަދު

• ފޮޓޯގައި ބަޔާންކުރެވިފައިވާ ގޮތުގައި ސަރުކާރުގެ ފޮޓޯގައި ބަޔާންކުރެވިފައިވާ ގޮތުގައި  
ފޯމުގެ ނަންބަރު: legalaffairs@po.gov.mv

ސަރުކާރުގެ ފޮޓޯގައި ބަޔާންކުރެވިފައިވާ ގޮތުގައި  
ފޯމުގެ ނަންބަރު: 3336102, 3336211  
މާލެ، ދިވެހިސަރުކާރުގެ ގެޒެޓް

ފޯމުގެ ނަންބަރު: 331 0274

ފޮޓޯގެ ނަންބަރު: www.gazette.gov.mv





48 : 48  
48 : 48  
48 : 48

48 : 48

48 : 48  
48 : 48  
48 : 48

48 : 48

48 : 48  
48 : 48  
48 : 48

48 : 48  
48 : 48  
48 : 48

48 : 48  
48 : 48  
48 : 48

48 : 48  
48 : 48  
48 : 48

48 : 48  
48 : 48  
48 : 48

48 : 48  
48 : 48  
48 : 48

7. (a)  $\int_0^1 x^2 dx = \frac{1}{3}$   $\int_1^2 x^2 dx = \frac{8}{3} - \frac{1}{3} = \frac{7}{3}$   $\int_2^3 x^2 dx = \frac{27}{3} - \frac{8}{3} = \frac{19}{3}$   $\int_3^4 x^2 dx = \frac{64}{3} - \frac{27}{3} = \frac{37}{3}$   $\int_4^5 x^2 dx = \frac{125}{3} - \frac{64}{3} = \frac{61}{3}$   $\int_5^6 x^2 dx = \frac{216}{3} - \frac{125}{3} = \frac{91}{3}$   $\int_6^7 x^2 dx = \frac{343}{3} - \frac{216}{3} = \frac{127}{3}$   $\int_7^8 x^2 dx = \frac{512}{3} - \frac{343}{3} = \frac{169}{3}$   $\int_8^9 x^2 dx = \frac{729}{3} - \frac{512}{3} = \frac{217}{3}$   $\int_9^{10} x^2 dx = \frac{1000}{3} - \frac{729}{3} = \frac{271}{3}$   $\int_{10}^{100} x^2 dx = \frac{100^3}{3} - \frac{10^3}{3} = \frac{1000000}{3} - \frac{1000}{3} = \frac{999000}{3}$

(b)  $\int_0^1 x dx = \frac{1}{2}$   $\int_1^2 x dx = \frac{4}{2} - \frac{1}{2} = \frac{3}{2}$   $\int_2^3 x dx = \frac{9}{2} - \frac{4}{2} = \frac{5}{2}$   $\int_3^4 x dx = \frac{16}{2} - \frac{9}{2} = \frac{7}{2}$   $\int_4^5 x dx = \frac{25}{2} - \frac{16}{2} = \frac{9}{2}$   $\int_5^6 x dx = \frac{36}{2} - \frac{25}{2} = \frac{11}{2}$   $\int_6^7 x dx = \frac{49}{2} - \frac{36}{2} = \frac{13}{2}$   $\int_7^8 x dx = \frac{64}{2} - \frac{49}{2} = \frac{15}{2}$   $\int_8^9 x dx = \frac{81}{2} - \frac{64}{2} = \frac{17}{2}$   $\int_9^{10} x dx = \frac{100}{2} - \frac{81}{2} = \frac{19}{2}$   $\int_{10}^{100} x dx = \frac{100^2}{2} - \frac{10^2}{2} = \frac{10000}{2} - \frac{100}{2} = \frac{9900}{2}$

(c)  $\int_0^1 x^3 dx = \frac{1}{4}$   $\int_1^2 x^3 dx = \frac{16}{4} - \frac{1}{4} = \frac{15}{4}$   $\int_2^3 x^3 dx = \frac{81}{4} - \frac{16}{4} = \frac{65}{4}$   $\int_3^4 x^3 dx = \frac{256}{4} - \frac{81}{4} = \frac{175}{4}$   $\int_4^5 x^3 dx = \frac{625}{4} - \frac{256}{4} = \frac{369}{4}$   $\int_5^6 x^3 dx = \frac{1296}{4} - \frac{625}{4} = \frac{671}{4}$   $\int_6^7 x^3 dx = \frac{2401}{4} - \frac{1296}{4} = \frac{1105}{4}$   $\int_7^8 x^3 dx = \frac{4096}{4} - \frac{2401}{4} = \frac{1695}{4}$   $\int_8^9 x^3 dx = \frac{6561}{4} - \frac{4096}{4} = \frac{2465}{4}$   $\int_9^{10} x^3 dx = \frac{10000}{4} - \frac{6561}{4} = \frac{3439}{4}$   $\int_{10}^{100} x^3 dx = \frac{100^4}{4} - \frac{10^4}{4} = \frac{100000000}{4} - \frac{10000}{4} = \frac{99990000}{4}$

(d)  $\int_0^1 x^4 dx = \frac{1}{5}$   $\int_1^2 x^4 dx = \frac{16}{5} - \frac{1}{5} = \frac{15}{5} = 3$   $\int_2^3 x^4 dx = \frac{81}{5} - \frac{16}{5} = \frac{65}{5} = 13$   $\int_3^4 x^4 dx = \frac{256}{5} - \frac{81}{5} = \frac{175}{5} = 35$   $\int_4^5 x^4 dx = \frac{625}{5} - \frac{256}{5} = \frac{369}{5}$   $\int_5^6 x^4 dx = \frac{1296}{5} - \frac{625}{5} = \frac{671}{5}$   $\int_6^7 x^4 dx = \frac{2401}{5} - \frac{1296}{5} = \frac{1105}{5} = 221$   $\int_7^8 x^4 dx = \frac{4096}{5} - \frac{2401}{5} = \frac{1695}{5} = 339$   $\int_8^9 x^4 dx = \frac{6561}{5} - \frac{4096}{5} = \frac{2465}{5} = 493$   $\int_9^{10} x^4 dx = \frac{10000}{5} - \frac{6561}{5} = \frac{3439}{5}$   $\int_{10}^{100} x^4 dx = \frac{100^5}{5} - \frac{10^5}{5} = \frac{10000000000}{5} - \frac{100000}{5} = \frac{9999900000}{5}$

8.  $\int_0^1 x dx = \frac{1}{2}$   $\int_1^2 x dx = \frac{4}{2} - \frac{1}{2} = \frac{3}{2}$   $\int_2^3 x dx = \frac{9}{2} - \frac{4}{2} = \frac{5}{2}$   $\int_3^4 x dx = \frac{16}{2} - \frac{9}{2} = \frac{7}{2}$   $\int_4^5 x dx = \frac{25}{2} - \frac{16}{2} = \frac{9}{2}$   $\int_5^6 x dx = \frac{36}{2} - \frac{25}{2} = \frac{11}{2}$   $\int_6^7 x dx = \frac{49}{2} - \frac{36}{2} = \frac{13}{2}$   $\int_7^8 x dx = \frac{64}{2} - \frac{49}{2} = \frac{15}{2}$   $\int_8^9 x dx = \frac{81}{2} - \frac{64}{2} = \frac{17}{2}$   $\int_9^{10} x dx = \frac{100}{2} - \frac{81}{2} = \frac{19}{2}$   $\int_{10}^{100} x dx = \frac{100^2}{2} - \frac{10^2}{2} = \frac{10000}{2} - \frac{100}{2} = \frac{9900}{2}$

9.  $\int_0^1 x^2 dx = \frac{1}{3}$   $\int_1^2 x^2 dx = \frac{8}{3} - \frac{1}{3} = \frac{7}{3}$   $\int_2^3 x^2 dx = \frac{27}{3} - \frac{8}{3} = \frac{19}{3}$   $\int_3^4 x^2 dx = \frac{64}{3} - \frac{27}{3} = \frac{37}{3}$   $\int_4^5 x^2 dx = \frac{125}{3} - \frac{64}{3} = \frac{61}{3}$   $\int_5^6 x^2 dx = \frac{216}{3} - \frac{125}{3} = \frac{91}{3}$   $\int_6^7 x^2 dx = \frac{343}{3} - \frac{216}{3} = \frac{127}{3}$   $\int_7^8 x^2 dx = \frac{512}{3} - \frac{343}{3} = \frac{169}{3}$   $\int_8^9 x^2 dx = \frac{729}{3} - \frac{512}{3} = \frac{217}{3}$   $\int_9^{10} x^2 dx = \frac{1000}{3} - \frac{729}{3} = \frac{271}{3}$   $\int_{10}^{100} x^2 dx = \frac{100^3}{3} - \frac{10^3}{3} = \frac{1000000}{3} - \frac{1000}{3} = \frac{999000}{3}$

10. (a)  $\int_0^1 x^3 dx = \frac{1}{4}$   $\int_1^2 x^3 dx = \frac{16}{4} - \frac{1}{4} = \frac{15}{4}$   $\int_2^3 x^3 dx = \frac{81}{4} - \frac{16}{4} = \frac{65}{4}$   $\int_3^4 x^3 dx = \frac{256}{4} - \frac{81}{4} = \frac{175}{4}$   $\int_4^5 x^3 dx = \frac{625}{4} - \frac{256}{4} = \frac{369}{4}$   $\int_5^6 x^3 dx = \frac{1296}{4} - \frac{625}{4} = \frac{671}{4}$   $\int_6^7 x^3 dx = \frac{2401}{4} - \frac{1296}{4} = \frac{1105}{4}$   $\int_7^8 x^3 dx = \frac{4096}{4} - \frac{2401}{4} = \frac{1695}{4}$   $\int_8^9 x^3 dx = \frac{6561}{4} - \frac{4096}{4} = \frac{2465}{4}$   $\int_9^{10} x^3 dx = \frac{10000}{4} - \frac{6561}{4} = \frac{3439}{4}$   $\int_{10}^{100} x^3 dx = \frac{100^4}{4} - \frac{10^4}{4} = \frac{100000000}{4} - \frac{10000}{4} = \frac{99990000}{4}$

