

(DO NOT INSERT OR DELETE ANY LINES FROM ROW 1 TO ROW 12)

Linear Exponential Logarithmic Power
 $y = a + bx$ $y = a \cdot b^x$ $y = a + b \ln(x)$ $y = a \cdot x^b$
 $a = 61.3623622619$ $b = 0.02319143$ 130.1787626764 1000.5622829
 $ln = -0.01447379151$ -0.00038290206 -0.3717926348 -0.76767620081
 $R^2 = 0.92348889964$ 0.96081162727 0.9710778989 0.99376127642
 $n = 200$ $y = 0.1787678984$ 0.0602426689 0.0402616181 0.1000261321

Correlation: 92.84% 92.84% $y = -0.0145 \cdot x + 63.3611$ 83.3611 -0.0145
 Correlation: 96.36% 96.36% $y = -99.5628 \cdot x + (-0.0001) \cdot 99.5628$ -0.0001
 Correlation: 97.31% 97.31% $y = -130.1788 \cdot x - 36.3718 + 1310.1788$ -36.3718
 Correlation: 99.38% 99.38% $y = -1006.5623 \cdot x + (-0.76) \cdot 1006.5623$ -0.7676

Input Data Points	x	y
1	1000	64.7
2	1000	51
3	1800	57
4	1970	53
5	2100	49
6	2475	44
7	3120	37.2
8	3600	34.2
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
0	1800	40.3



	y'	y'	y'	y'	x^2	y^2	$x \cdot y$	$\ln x$	$\ln y^2$	$x \cdot \ln y$	$\ln x$	$\ln y^2$	$\ln x^2$	$\ln x \cdot y$	$\ln x \cdot \ln y$
1	60.20120080814	48.7074687814	61.8261913884	42.3521011126	250000	4101.25	102300	4.1886212102	17.369998724	666.664188276	7.1777598123	54.411220794	47.8848481007	30.7461141251	
2	59.04529679708	59.31467030129	60.0481931616	60.40610546689	2822400	3721	102480	4.11087384173	16.8992492714	696.260919116	7.42654607297	55.1510112473	43.10349494162	58.3296046272	
3	57.3984479489	57.1662496458	57.5521461489	57.3778836772	3240000	3249	102840	4.04301267835	16.3426315434	727.4022210219	7.49154149384	56.1811498233	47.2481908614	51.2481908614	
4	54.8478979253	54.2418107811	54.2701031582	53.3360930284	3888000	2809	104410	3.92029191852	15.7621717882	782.478609168	7.68784821712	57.5444296791	49.2464075118	51.177601664	
5	52.078769887	51.1551762014	50.9211811272	49.8124618516	4663600	2401	105840	3.89162628111	15.1626212179	846.3118439185	7.67786150678	58.8495879150	576.21111112	29.888601606	
6	47.5362281221	46.4216103726	45.9681023986	44.9121991229	6123225	1936	108900	3.7641981918	14.2209111545	951.689149177	7.61396578081	61.002124836	581.8151097801	29.5686414253	
7	38.203072195	38.0586792258	37.5461743617	40.6147610234	2754400	1466.25	117000	3.624348912976	13.13384718645	1187.943710863	8.04558238804	64.714490762	381.705658381	28.1958491599	
8	31.2558178238	32.81678366216	32.3414191632	33.7002209754	1296000	1191.25	124200	3.54099124017	12.53839216449	12747.453566343	8.18888912444	67.0542957679	282.2897747913	28.9958151004	
9					0	0	0	0	0	0	0	0	0	0	0
10					0	0	0	0	0	0	0	0	0	0	0
11					0	0	0	0	0	0	0	0	0	0	0
12					0	0	0	0	0	0	0	0	0	0	0
13					0	0	0	0	0	0	0	0	0	0	0
14					0	0	0	0	0	0	0	0	0	0	0
15					0	0	0	0	0	0	0	0	0	0	0
16					0	0	0	0	0	0	0	0	0	0	0
17					0	0	0	0	0	0	0	0	0	0	0
18					0	0	0	0	0	0	0	0	0	0	0
19					0	0	0	0	0	0	0	0	0	0	0
20					0	0	0	0	0	0	0	0	0	0	0
0	1800	40.3			4988925	2072.75	866630	3.1121924584	12.1104869987	76699.49826981	61.6117752717	475.106315481	3062.42109707	239.296106251	

Author:
 Scott Eason, P.E.
 713-476-2038
 Yancey Energy Co.
 PO Box 1196
 Houston, Tx. 77251
 CompUserve ID 71774,736

If you found this program useful,
 please register at the address at the left
 and include \$10.