

Directions – Complete chart for the appropriate problems.

	Regression Equation Using Appropriate Model	Correlation Coefficient r	Questions	
			a.)	b.)
1.)	$y = 3.5x + 40$	$r = 1$	↑	↑
2.)	$y = 7.7315(x)^{.2061}$	$r = .9708$	↑	↑
3.)	$y = 65000(6.2017)^x$	$r = 1$	↑	↑
4.)	$y = .0273x - (4.8387 \times 10^{-4})$	$r = .9975$	↑	↑
5.)	$y = 78.5422 - 10.3234 \ln x$	$r = -.9878$	↑	↑
6.)	$y = -15.824x^2 + 62.902x - .983$	$r^2 = .99846$ $\rightarrow r = .9992$	↑	↑
7.)	$y = 497,1326(1.2557)^x$	$r = .9498$	↑	↑
8.)	$y = -2678.319 + 2158.16 \ln x$	$r = .9869$	↑	↑
9.)	$y = 1.08x - 2125$	$r = .9781$	↑	↑
10.)	$y = 171,462(.988)^x$	$r = -.9850$	↑	↑

Figure it out!  
YourSELF!