

	A	B	C	D	E	F	G
1	Excel Formulas						
2	Source Numbers						
3	Value 1	Value 2	Value 3				
4	24.3	53.2	82.4				
5							
6	Function	Detail		Explanation	Result	Formula	
7	Addition	V1+V2+V3		Using plus sign on keyboard	159.9	=A8+B8+C8	
8	Addition	V1+V2+V3		Using SUM function	159.9	=SUM(A9:C9)	
9	Subtraction	V3-V2-V1		Using minus sign on keyboard	4.9	=C9-B9-A9	
10	Division	V3/V2/V1		Using forward slash (/) on keyboard	0.063739596	=C9/B9/A9	
11	Division	V3/1.467		Convert Value 3 from ft/s to mph	56.16905249	=C9/1.467	
12	Multiplication	V1*V2*V3		Using asterisk (*) on keyboard	106523.424	=A9*B9*C9	
13	Multiplication	V1*1.467		Convert Value 1 from mph to ft/s	35.6481	=A9*1.467	
14	Square a number	V2*V2		Using multiplication	2830.24	=B9*B9	
15	Square a number	V2 ²		Using the carat (^)	2830.24	=B9^2	
16	Square root a number	$\sqrt{V3}$		Using the SQRT function	9.077444574	=SQRT(C9)	
17	Count			Count how many numbers are in a sample	3	=COUNT(A9:C9)	
18	Find an average			Find an average using + and /	53.3	=(A9+B9+C9)/3	
19	Find an average			Find an average using SUM and COUNT	53.3	=SUM(A9:C9)/COUNT(A9:C9)	
20	Find an average			Find an average using AVERAGE	53.3	=AVERAGE(A9:C9)	
21							
22							
23	Trigonometry Functions						
24	Excel will only complete trig calculations using radians, not degrees.						
25	All degrees must be converted to radians prior to completing calculations.						
26	Function	Detail		Explanation	Result	Formula	
27	Degrees --> Radians	Use 30°		Convert degrees to radians	0.523598776	=RADIANS(30)	
28	Radians --> Degrees	Previous		Convert radians from previous, to degrees	30	=DEGREES(F32)	
29	SIN	Use 30°		Find SIN of 30°, converting to RADIANS first	0.5	=SIN(RADIANS(30))	
30	COS	Use 30°		Find COS of 30°, converting to RADIANS first	0.866025404	=COS(RADIANS(30))	
31	TAN	Use 30°		Find TAN of 30°, converting to RADIANS first	0.577350269	=TAN(RADIANS(30))	
32	SIN ⁻¹	Use 0.5		Find ArcSIN of ½, then convert to degrees	30	=DEGREES(ASIN(0.5))	
33	COS ⁻¹	Use 0.5		Find ArcCOS of ½, then convert to degrees	60	=DEGREES(ACOS(0.5))	
34	TAN ⁻¹	Use 0.5		Find ArcCOS of ½, then convert to degrees	26.56505118	=DEGREES(ATAN(0.5))	
35							
36							
37	Hotkeys						
38		CTRL+X		Cut			
39		CTRL+C		Copy			
40		CTRL+V		Paste			
41		CTRL+B		Bold			
42		CTRL+I		Italic			
43		CTRL+U		Underline			
44		Hold CTRL		Select Multiple Cells			