BRAKE SYSTEM - WORK SHEET

Date, Vehicle, etc.		
Tire size/pressure , etc.		
Ride height settings, etc.		
Weight in driver seat, etc.		

BRAKEPOWER.COM	**Standard**	**Metric**
Weight of car under front wheels	lb	kg
Weight of car under rear wheels	lb	kg
Aerodynamic down force at top speed	lbf	kgf
Wheelbase of car	in	mm
Distance from front axle to center of down force	in	mm
For use in CG-Height Calculator:	==========	==========
Height of rear wheels raised above front wheels	in	mm
Weight under front wheels with rear wheels raised	lb	kg
==========	==========	==========
Distance from CG to ground (= CG-Height)	in	mm
For use in Piston Area Calculator:	==========	==========
Diameter of piston 1 in front brake caliper	in	mm
Diameter of piston 2 in front brake caliper	in	mm
Diameter of piston 3 in front brake caliper	in	mm
Diameter of Piston 1 in rear brake caliper	in	mm
Diameter of piston 2 in rear brake caliper	in	mm
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Total area of front brake caliper pistons	in^2	mm^2
Total area of rear brake caliper pistons	in^2	mm^2
Effective radius of front brake rotors	in	mm
Effective radius of rear brake rotors	in	mm
Rolling radius of front tires	in	mm
Rolling radius of rear tires	in	mm
Coefficient of friction of front tires		
Coefficient of friction of rear tires		
Coefficient of friction of front brake pads		
Coefficient of friction of rear brake pads		
Tandem master or dual master cylinders		
Brake booster assist ratio	:1	:1
Brake pedal ratio	:1	:1
Force on brake pedal for maximum deceleration	lbf	kgf