Advanced Building Science	Name:
BBE 4414/5414 Department of Bioproducts & Biosystems Eng	Huelman University of Minnesota
Lab 9. Fans & Ducts (2.5 Points)	
The intent of this assignment is to better specifications, including a duct curve ple	understand fan and duct performance. Find the ot, for the Broan QTXE150 bath fan.
1. HVI rates these fans at a single static that pressure and what is the rated flow a	pressure (sometimes two pressures). What is at that pressure for this fan?
Rating pressure	_ inches of water
Rated flow	_ cfm
±	that is 50' long with 3 - 90 degree elbows and a ne fan curve. What will the flow rate be for this e same for a 5" duct.
_	t 50 Pascals, what pressure will this fan create at ou have a make-up air duct that is 20' of 6" flex e expect to flow through this duct.
Pressure differential	_ Pascals
Flow through duct	_ cfm