Geometry/Trig 2 8-7 Worksheet #1	Name Date	Block
<u>Directions</u> : Draw a diagram f Round all answers to the near	for each problem, then solve for th	
1) Determine the angle of eleve	ation of if a person 5 feet tall casts	a shadow of 15 feet.
2) A ladder is 7 feet long is led How far up the wall does the	aning against the wall and creates a 67 e ladder reach?	2° angle with the ground.
•	rom his lifeguard stand, which is 6 fee of depression of 5°, how far away is t	
	om the base of a building. The persovation of 58°. Find the height of the	
5) When the sun's angle of eleventhe building?	vation is 38°, a building casts a shado	w of 45m. How high is
	de of 1,500 miles. If a person can be 0°, how far from the plane is the pers	
	s leaning against the side of a building ground is 75°, how far is the bottom	