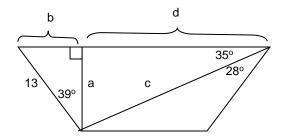
Chapter 9 Review Pre-AP Geometry			Name: Date:	Period:
Directions: You MUST show all work to receive any credit				
1.	When the building?	angle of elevation of the sun is 62°, a building casts a shade	ow 18 m long.	How tall (t) is the
2.		nding on a 25 m tower and sees a snake on the ground 18 i of depression (d) from Fred to the snake?	m from the bas	e of the tower, what is
3.		tached from the top of a tower to a point on the ground. The wire on the ground. If the wire makes a 65° angle with the		
4.	and groun	at is 20 ft. long is leaning against the side of a building. If the dis 75°, how far is the bottom of the ladder (I) from the baser at the same angle, how far up the building will it reach (r)?	e of the building	

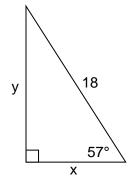
5. A salvage ship is locating wreckage. The ship's sonar picks up a signal showing wreckage at an angle of depression measuring 12°. The ocean charts for the region list an average depth of 40 meters. If a diver is lowered from the salvage ship at this point, how far can the diver expect to travel along the ocean floor

to the wreckage?

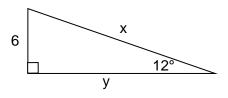
6. Find all the variables.



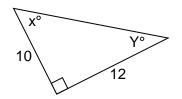
7.



8.



9.



10. A wheelchair ramp has a slope of 2/3. Find the angle the ramp makes with the ground to the nearest degree.