2.1	The	Tanc	ent	Ratio

degree.

Vocabulary: adjacent means	
If ∠A is an acute angle in a right triangle, then:	
tan∠A =	h
ex. Determine the tangent of ∠G	
* All math operations have an operation. The inverse of tan is	operation that "undoes" the
ex. Determine the measure of ∠G from the qu	estion above to the nearest

ex. One end of a cable is attached to a lamp post at a height of 8.5 meters above the ground. The other end of the cable is fixed to the ground 14 from the base of the lamp post. What is the angle between the cable and the ground?

ex. A 10-foot ladder leans against the side of a building with its base 4 feet from the wall. What angle does the ladder make with the ground?

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