

	Find the missing lengths Ex 7:	Ex 8:
	Let's take it up a notch! Find x. Ex 9:	
	You tryfind the missing legs in simplified radical form.	
	1)	2)
Summary:		







Algebra Review



7.3 APPLICATION and EXTENSION





3) Spiderman is testing out how far he can sling his web. He positions himself on the ground and shoots his web to the top of a building. The angle between the webbing and the ground forms a 45 degree angle. He knows the webbing will shoot 450 feet.

a) Draw AND label a picture of Spidey slinging his web. How tall is the building.



b) Spidey positions himself to sling up to a new building. This time the angle between the ground and his webbing forms a 60 degree angle. Draw and label a picture of Spidey slinging his web. How tall is this building.



c) Which building is taller and by how much?

4) Which has an area that is greater, a 30-60-90 triangle with hypotenuse of 4 or a 45-45-90 triangle with a hypotenuse of 4? (remember that for a triangle A = .5bh, where b and h are perpendicular to each other)