NAME	D/	ATE
Module 18 Lesson 3	Solving Radical Equations Solving Problems Using Radical Equations	guide
Lesson	Objective	V
• Solve ap solved.	oplication problems in which a radical equation must be	
In the length	of a skid mark formula, $s = 5.5\sqrt{0.75m}$ , s represents	
	and <i>m</i> represents	
Find the	length of a skid mark when a car goes into a skid at 60 mph.	
In the distanc	te to the horizon formula, $d = 1.17\sqrt{h}$ , d represents	
	, and <i>h</i> r	epresents
A mountation to the ho	ain climber sitting on a mountain's summit estimates that the o prizon is 45 miles. How high is the mountain's summit?	distance
In the speed o	of sound near Earth's surface formula, $v = 20\sqrt{t + 273}$ ,	
v represents _		_, and
t represents		

Module 18 Lesson 3

Guided Notes

## DIGITAL

(3) What is the temperature if sound travels at 400 meters per second?

(4) A 13-foot ladder leans against a building so that the bottom of the ladder rests on the ground five feet from the building. How high up the side of the building does the ladder reach?



Module 18 Lesson 3

**Guided Notes**