

Modeling with Linear Equations	
EX 4	A rectangular window has a perimeter of 15 feet. The width of the window is half of the height. (a) Draw a picture and label w for the width and h for the height.
	(b) Write <i>w</i> in terms of <i>h</i> and write and equation for the perimeter in terms of <i>h</i> .
	(c) Find the dimensions of the window.
<u>EX 5</u>	You drive your boat straight across a lake that is 4.5 miles long. If it takes you 10 minutes to cross the lake, how fast (in mph) were you going?
<u>EX 6</u>	You invest a total of \$5000 split between two accounts earning simple interest, one 2.5%, the other at 3.0%. During one year the two accounts earned a combined \$144 in interest. How much did you invest in each account?