CHAPTER REVIEW



EXERCISES

EXAMPLES

1 and 4

Let *a* and *b* represent the lengths of the legs of a right triangle, and let *c* represent the length of the hypotenuse. Find the unknown length.

on pp. 737, 739	1 $a = 7 h = 12$		24 a = 10 a = 21		25 a = 0 a = 11	
for Exs. 23–29	25. $u = 1, v$	- 15	24	• $u = 10, c = 21$	23. <i>u</i> –	0, C - 11
	26. <i>a</i> = 9, <i>b</i>	= 17	27	b = 4, c = 15	28. <i>b</i> =	6, <i>c</i> = 6.5

29. REFLECTING POOL The Reflecting Pool in front of the Lincoln Memorial in Washington, D.C., is rectangular with a length of 2029 feet and a width of 167 feet. To the nearest foot, what is the length of a diagonal of the Reflecting Pool?



36. ISLANDS On a coordinate grid, an island is located at (1, 6). Another island is located at (4, 9). What is the distance between the islands if the distance between consecutive grid lines represents 2 miles?