

# Chapter Review Games and Activities

For use after Chapter 12

Solve the following problems in the space provided, and find the answer in the boxes at the bottom of the page. Cross out the box containing each correct answer. Place the remaining letters on the lines below the boxes to find the answer to the riddle.

Which trees are always misbehaving?

1. Simplify:  $\sqrt{3}(2\sqrt{5} - 4\sqrt{8})$

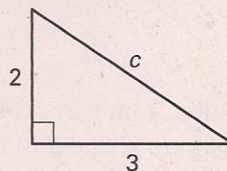
2. Simplify:  $(1 - \sqrt{14})^2$

3. Simplify:  $\frac{18}{\sqrt{2}}$

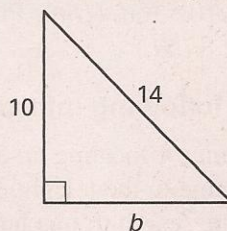
4. Solve:  $8 = \sqrt{3x - 2}$

5. Solve:  $\sqrt{x - 7} + 6 = 10$

6. Find the missing side:



7. Find the missing side:



8. Find the distance between:  $(-7, 4)$  and  $(8, -3)$

9. Find the distance between:  $(-11, 6)$  and  $(-8, 12)$

23 A	$2\sqrt{15} - 4\sqrt{6}$ K	$4\sqrt{6}$ S	$3\sqrt{5}$ M	13 N
$15 + 2\sqrt{14}$ O	$2\sqrt{15} - 8\sqrt{6}$ A	$\sqrt{15}$ T	5 T	$\sqrt{13}$ R
$\sqrt{271}$ Y	45 P	$15 - 2\sqrt{14}$ T	$9\sqrt{2}$ E	18 I
$\sqrt{274}$ P	$6\sqrt{3}$ N	$3\sqrt{14} - 2\sqrt{6}$ E	22 R	$3\sqrt{6}$ S