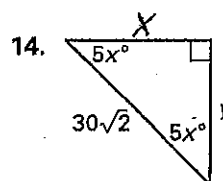
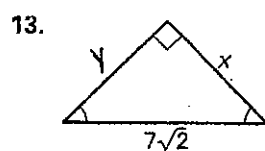
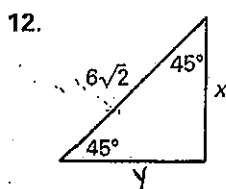
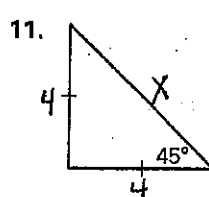
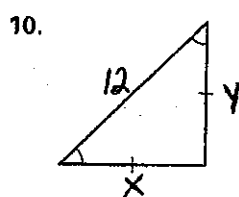
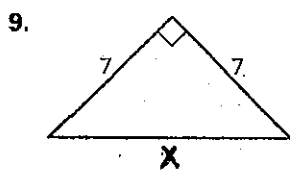
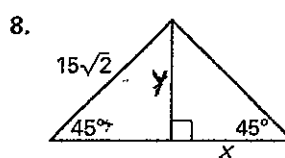
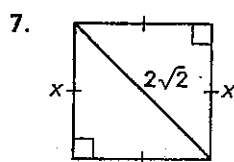
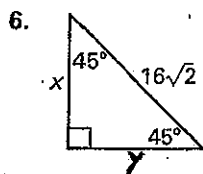
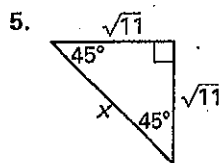
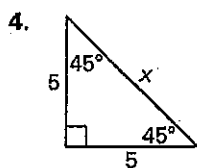
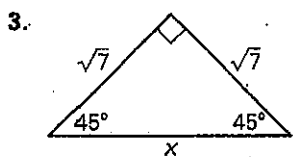


## WORKSHEET: The 45-45 90 Triangle

1. Draw the parent triangle for the 45-45-90 triangle.

2. A 45-45-90 triangle has a leg that is  $\sqrt{2}$  feet long and its hypotenuse is 2 feet long. What is the length of the other leg?

Find the length of  $x$  and  $y$  in the 45-45-90 triangles below. Show all work on NBP. Round to tenths.



A square floor tile pattern is shown at the right.

15. If  $AB = BC = 8$  inches, find  $AC$  to the nearest tenth of an inch.

16. If  $AC = 10\sqrt{2}$  inches and  $AB = BC$ , find  $BC$ .

