Geometry Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Special Right Triangles: 45-45-90 Date: \_\_\_\_\_\_\_\_\_\_

Warm-Up: Find the missing side lengths using your knowledge of 30-60-90 triangles.



1.  2. 3.

REMINDERS! Today we are focusing on 45-45-90 degree triangles!

 **45o – 45o – 90o**  **30o – 60o – 90o**







Examples

1. 2.



3. 4. 5. 6.

Geometry Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Classwork – Special Right Triangles Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| 1. xy18xy1230° | 2. | 3.xy30°18 | 4.xy45° |
| 5.xy5 | 6.xy1530°xy30° | 7.xy60° | 8. |
| 9.xy30°12 | 10.45°yx | 11.60°xy | 12.4830°xy |
| 13.1430°xy | 14.1030°xy | 15. Equilateral Trianglex | 16.yx12z45°30° |