Trigonometric Functions Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SECTION 1B

**Goal:** *Without using a calculator, students should be able to evaluate the six trigonometric ratios of a special right triangle.*

**Solve the following problems using information obtained from the special right triangles.**

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. Find the **exact** value of   cos 60º + sin 30º - tan 45º
10. Find the **exact** value of   sin 45º • csc 45º
11. Find the **exact** value of   sec 60º + cot 45º + csc 30º
12. Find the **exact** value of   sin 30º + cos 30º + tan 30º
13. Find the **exact** value of   (cos 60º)2 +(sin 30º)2