

HOMEWORK: THE AMBIGUOUS CASE

NAME: _____ DAY 4 DUE: _____

Two sides and an angle are given. Determine whether the given information results in one triangle, two triangles, or no triangle. Solve all triangles.

1. $a = 3, b = 2, \alpha = 50^\circ$.

2. $b = 5, c = 3, \beta = 100^\circ$

3. $a = 4, b = 5, \alpha = 60^\circ.$

4. $b = 4, c = 6, \beta = 20^\circ.$

5. $a = 2, c = 1, \gamma = 100^\circ.$

6. $a = 2, c = 1, \gamma = 25^\circ.$