Test Plan

Necessary cases to test will vary by problem.

As a starting point, write a test plan that looks for:

- the typical cases for the problem given
- the boundary conditions on all input values
- invalid inputs

Show the input sequence for a given case, and list the expected output.

Test Cases	
Description	**Given Input (in bold) and Expected Output**

Equilateral	`Angle 1? **60**`
	`Angle 2? **60**`
	`Angle 3? **60**`
	`Equilateral`

Isosceles (first and second angles)	`Angle 1? **50**`
	`Angle 2? **50**`
	`Angle 3? **80**`
	`Isosceles`

Isosceles (second and third angles)	`Angle 1? **80**`
	`Angle 2? **50**`
	`Angle 3? **50**`
	`Isosceles`

Isosceles (first and third angles)	`Angle 1? **50**`
	`Angle 2? **80**`
	`Angle 3? **50**`
	`Isosceles`

Test Cases	
Description	**Given Input (in bold) and Expected Output**
Scalene	Angle 1? **50** Angle 2? **60** Angle 3? **70** Scalene
Invalid angles (sum too small)	Angle 1? **50** Angle 2? **80** Angle 3? **49** Error
Invalid angles (sum too large)	Angle 1? **50** Angle 2? **80** Angle 3? **51** Error
Bad input, first prompt	Angle 1? **grapes** Angle 1? **100** Angle 2? **50** Angle 3? **30** Scalene
Bad input, second prompt	Angle 1? **50** Angle 2? **grapes** Angle 2? **100** Angle 3? **30** Scalene
Bad input, third prompt	Angle 1? **50** Angle 2? **30** Angle 3? **grapes** Angle 3? **100** Scalene
Boundary condition (an angle that is zero)	Angle 1? **80** Angle 2? **0** Angle 3? **100** Error