

Try this 5 – 6 Possible Solutions

TT 5. Yes, the ratios are different from those of the first $30^\circ - 60^\circ - 90^\circ$ triangle. Since the angles of the current triangle are different (e.g., $50^\circ - 40^\circ - 90^\circ$), the sides will have different lengths than the first triangle resulting in different ratios.

TT 6. The ratios will be the same for other right triangles with a 50° angle. ** THIS IS THE IMPORTANT CONCEPT TO NOTE**