

## Pattern 0: Right Triangle Angle Relationships

**Question 1:** If angle A is  $51.88^\circ$  and angle B is  $15.39^\circ$ , what is the measure of angle C?



**Answer:**  $113.73^\circ$

**Question 2:** If angle B is  $63.21^\circ$  and angle C is  $90^\circ$ , what is the measure of angle A?



**Answer:**  $26.91^\circ$

**Question 3:** If angle A is  $77.39^\circ$  and angle C is  $90^\circ$ , what is the measure of angle B?



**Answer:**  $11.50^\circ$

**Question 4:** If angle A is  $38.19^\circ$  and angle B is  $45.32^\circ$ , what is the measure of angle C?



**Answer:**  $116.49^\circ$

**Question 5:** If angle B is  $51.85^\circ$  and angle C is  $90^\circ$ , what is the measure of angle A?



**Answer:**  $19.01^\circ$

**Question 6:** If angle A is  $62.39^\circ$  and angle B is  $27.61^\circ$ , what is the measure of angle C?



**Answer:**  $90.00^\circ$

**Question 7:** If angle A is  $85.61^\circ$  and angle B is  $4.39^\circ$ , what is the measure of angle C?



**Answer:**  $89.99^\circ$

**Question 8:** If angle B is  $70.72^\circ$  and angle C is  $90^\circ$ , what is the measure of angle A?



**Answer:**  $19.56^\circ$



**Question 9:** If angle A is  $49.91^\circ$  and angle B is  $40.09^\circ$ , what is the measure of angle C?



**Answer:**  $90.00^\circ$

**Question 10:** If angle B is  $58.53^\circ$  and angle C is  $90^\circ$ , what is the measure of angle A?



**Answer:**  $31.00^\circ$