Conditional Statement - TEST

1. **Which of the following is a conditional statement?**

☐ Amy plays soccer or Bill plays hockey.

☐ Bill plays hockey when Amy plays soccer.

☐ If Amy plays soccer then Bill plays hockey.

☐ None of the above.

RESULTS BOX:

2.

Given:	r: You give me twenty dollars.
	s: I will be your best friend.
Problem:	Which of the following statements represents, "If you give me twenty dollars, then I will be your best friend"?

☐ r∧s

☐ r→s

☐ s→r

☐ None of the above.

RESULTS BOX:

3. **What is the truth value of r→s when the hypothesis is false and the conclusion is true in Example 2?**

☐ True

☐ False

☐ Not enough information was given.

☐ None of the above.

RESULTS BOX:

| |

4.

Given:	a: x is prime.
	b: x is odd.
Problem:	What is the truth value of a→b when x = 2?

☐ True

☐ False

☐ Not enough information was given.

☐ None of the above.

RESULTS BOX:

| |

---

5. **What is the truth value of a→b when x = 9 in Exercise 4?**

○ True

○ False

○ Not enough information was given.

○ None of the above.

RESULTS BOX:

[   ]