NO.	ANSWER
1	Given statement: If a character is a mutant, then they are part of the X-Men.
	From this, we can derive Not all mutants are X-Men, but all X-Men are mutants.
	Options:
	<ul><li>A. This option suggests the opposite of the given statement, so it's not necessarily true.</li><li>B. This option aligns with the derived statement, so it could be true.</li></ul>
	C. This is the most direct implication of the given statement. If someone isn't in the X-Men, they aren't necessarily a mutant. So, this is true.
	<ul> <li>D. The Avengers topic is unrelated to the given statement, so we can't determine its truth from the information provided.</li> </ul>
	Option C is the correct answer.
2	<ul> <li>A. This is not valid. The given statements tell us that all Avengers have fought Thanos, but no Avenger is a villain. Therefore, just because a character has fought Thanos does not mean they are a villain.</li> <li>B. This is not valid. The given statements only tell us that some Avengers are not superhuman, not that all non-superhuman characters are Avengers.</li> <li>C. This is not valid. The given statements tell us that some Avengers are not superhuman and all Avengers have fought Thanos, but it doesn't state that all non-superhuman characters have fought Thanos.</li> <li>D. This is valid. The given statements tell us that no Avenger is a villain, so if a character is a villain, they cannot be an Avenger.</li> </ul>
	Option D is the correct answer.
3	The text mentions that Tony Stark built the Iron Man suit initially to escape captivity and later improved it for combat. Option D directly supports the deduction that Tony Stark improved the suit for combat purposes. The other options are not supported by the information provided.
	Option D is the correct answer.
4	The text mentions that Spider-Man doesn't like the rain because it makes web-swinging slippery, which contradicts the deduction that rainy days are his favorite for swinging. The other options align with the information provided
	Option D is the correct answer.
5	Based on the information given:
	"If a character possesses the Super Soldier Serum, then they are an ally of Captain America."
	The contrapositive of this statement is:
	"If a character is not an ally of Captain America, then they do not possess the Super Soldier Serum."
	So, the correct statement based on the information provided is the statement in option D. <b>Option D is the correct answer.</b>

Alice's statement is true. The information states that all warriors wield Mjölnir and some gods wield Mjölnir. Therefore, someone wielding Mjölnir could indeed be either a warrior or a god.

Bob's statement is false. The information only states that some of the gods wield Mjölnir, not all of them.

#### Option B is the correct answer.

7 From Statement 1: All arrows used by Hawkeye are technologically advanced.

From Statement 2: Some movies feature Hawkeye. This implies that some movies showcase technologically advanced arrows (since Hawkeye uses technologically advanced arrows). Therefore, Conclusion I follows.

However, Statement 1 only tells us that all arrows used by Hawkeye are technologically advanced. It does not tell us that all technologically advanced arrows are used by Hawkeye. There could be other individuals or entities that use technologically advanced arrows. Therefore, Conclusion II does not follow.

### Option A is the correct answer.

A. This statement is ambiguous. The given information doesn't specify the power level of superheroes without reality-altering powers in relation to Scarlet Witch.

- B. False. The given information states that possessing reality-altering powers makes one as powerful as Scarlet Witch, but it doesn't mean they can only have that specific power.
- C. True. Based on the given information, to be as powerful as Scarlet Witch, a superhero must possess reality-altering powers.
- D. This statement is ambiguous. While Quicksilver possesses super speed, we don't have information about whether he possesses reality-altering powers or not.

#### Option C is the correct answer.

**9** From the given statement, we understand: Any superhero that uses a shield is Captain America.

Now, let's evaluate the options:

- A. This is the inverse of the given statement. It's not necessarily true because there could be other reasons a superhero isn't Captain America.
- B. This is the contrapositive of the given statement. It directly aligns with the information provided, making it true.
- C. This introduces a new character (Iron Man) and makes an assumption not present in the original statement. We can't determine its truth from the information provided.
- D. This introduces another new character (Thor) and can't be directly inferred from the given statement.

# Option B is the correct answer.

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A. This is not valid. The given statements tell us that Spider-Man can climb walls, but no superhero is afraid of heights. Therefore, just because a person can climb walls does not mean they are afraid of heights.

- B. This is not valid. The given statements tell us that all superheroes fight villains and Spider-Man can climb walls, but it doesn't state that all people who fight villains can climb walls.
- C. This is valid. The given statements tell us that no superhero is afraid of heights, and since Spider-Man is a superhero, he is not afraid of heights.
- D. This is not valid. The given statements tell us that no superhero is afraid of heights, so if a person is afraid of heights, they cannot be a superhero.

## Option C is the correct answer.