Quiz

**Question 1**

A SWOT analysis will allow members of a design team to explore opportunities for members of the design team to use their strongest skills in solving a design problem.

a. True

b. False

**Question 2**

A design solution whose performance has been estimated with hand calculations or simulations must:

a. Always meet all design specifications (both constraints and features) or be automatically rejected.

b. Be evaluated subjectively against the design specifications identified by the design team.

c. Be rejected if it is high risk, even if in theory, it can meet all the design specifications.

d. Be assessed objectively in a decision matrix compared to other solutions.

**Question 3**

Reverse Line Thinking occurs when the design team begins with the finished product in mind and works backward to an initial prototype of that product.

a. True

b. False

**Question 4**

Which of the following are potential biases of design engineers?

a. Tendency to play it safe and choose an incremental solution.

b. A habit of talking too much during design meetings.

c. Alternating between the most challenging and the easiest solution.

**Question 5**

It's always easier to make an unbiased choice in the design process when more decision factors are added to the decision making process.

a. True

b. False