***A Fair Price?***

Suppose you are going to buy an item and have been saving for it. Just when you are ready to buy it, the price goes up by x%. You are very upset and tell the sales clerk. The clerk talks to the manager, and the manager agrees to reduce the new price by x%. Does the discount bring the price back to the previous amount, or will it be higher or lower than the previous amount, or does it depend on the original price and percent change? Explore this problem and justify your solution.