



Problem of the Week

Problem D

A Close Race

Joshua and Berhino are two Olympic long distance runners. Their qualifying times were equal ten weeks prior to the Olympics. Two weeks after qualifying, Joshua got an injury and his time increased by 3.2%, but he was able to decrease that time by 8.1% before the Olympics. Berhino's time decreased by 2% and then again by $r\%$ over the same time period.

If they finished the Olympic race with the same time, determine the value of r , rounded to the nearest tenth.

