

7. The Big Red quarterback throws a pass to a receiver, who catches it at the same height as the pass is thrown. The initial velocity of the ball is 15.0 m/s at an angle of 25.0° above the horizontal. What is the horizontal component of the ball's velocity when the receiver catches it? Neglect air friction.

A. 4.3 m/s

B. 6.8 m/s

C. 13.6 m/s

D. 15.0 m/s

E. zero

F. Not close to any of the above

Ans. _____