Physics 12

**Projectile Motion Practice**

1. An object spent 8.45 seconds in the air. It was launched at 35$°$ above horizontal.
2. Find the initial velocity of the object if it landed at the same level it was launched

from.

1. Find the initial velocity of the object if it landed 5.4 meters above its launching point.
2. Find the initial velocity of an object that was launched at 60$°$ above the horizontal, given that its horizontal displacement was 78 m to the left of the launching point. Assume the same launching and landing level.

Extra:

1. Find the initial velocity of an object that covered 9.23 m of horizontal distance after it was thrown with speed of 15 m/s. It landed at the same level it was launched from.

***This Can be solve by graphing.***