

**Answer on Question #64274-Physics-Other**

You are at a friend's house that lives 10 km north of your house. You drive north from there at a constant speed of 35 km/h toward the pizza place and arrive there 10 minutes later. How far from your house are you?

**Solution**

The distance travelled is

$$s = vt = \left(35 \frac{\text{km}}{\text{h}}\right) \left(\frac{10}{60} \text{h}\right) = 5.8 \text{ km}.$$

Since you were already 10 km away from your house and you traveled 5.8 km further from your house then at the Pizza place you are 15.8 km from your house.

**Answer: 15.8 km.**

Answer provided by <https://www.AssignmentExpert.com>