Chapter 5 Part I – Worksheet

**Dependent and independent variables**

Determine which variable is dependent and which is independent in the following relations:

1. $P=20n+8$
2. $C=\frac{5}{9}(F-32)$
3. The relation between the time *t* of driving and the number of kilometres driven *D*.
4. The relation between the height (*h*) of a child and the age (*a*) of the child.
5. The following relation presented that way:

6. f)
 

**Domain and Range**

Determine the domain and range of the following relations:

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. $P=5n+5$, where P is the price paid at the cinema and *n* is the number of friends who came among the 5 friends you invited.
10. The number of pieces of pizza left depending of the number of friends that came to your house (you’ve only invited 4 friends and you have 4 pizzas cut into 6 pieces each at the start)