**Name Date Period 5K Fun Run!**

**Cassie’s rate is 12 km per hour. Winston’s rate is 10 km per hour.**

1) Make a **table** comparing time (*hours*) to distance (km) for Cassie.

**2) Graph** the values from Cassie’s table.

**3) How long will it take each of them to run the 5 km race?**

Use the **formula** for distance, rate and time ( d = r t ).

4) Write an **equation** to find the time it would take for Cassie to run any given distance. ( t = ?)

5) Make a **table** to find how many *minutes* it would take Cassie to run the 5 km.

6) Write an **equation** to find the *distance* (km) given any amount of minutes. ( k = ?) *(Hint: look at the relationship between km and minutes in your table)*

7) Write an **equation** to find the amount of *minutes* it would take her to run any distance (km). ( m = ? ) *(Hint: look at the relationship between minutes and km in your table)*