```
\mathcal{L}
a) 2 \text{km path}: .20 \cdot 3 + .30 \cdot 5 + .50 \cdot 2 = .64 \text{ hr}
    1.8 hm: .40.3+.2.5+.40.2
                     1.2 + 1 + .8 = \frac{1.8}{2 \ln n / n} = .6 \text{ hr}
    3.1 km: .8 · 3 + .4 · 5 + .1 · 2
                  1.5 + 2 + 2 = \frac{3.1}{3.7 \, \text{km/h}} = .83 \, \text{hr}
 b) 2 km: .70 · .64 hr + .3 · (.64 +.75)
                     .448 + .417 = .865 hr
       1.8 km: .60 · (.6 +1) + .40 · .6
                          .96 + .24 = 1,2 hr
      3.1 km: .83 hr
C) \frac{3.1 \, \text{km}}{8 \, \text{km/h}} = 100 \, \text{km/h} 83 · . le + . lo2 · . ll 
 \frac{3.1 \, \text{km}}{8 \, \text{km/h}} = 100 \, \text{km/h} \frac{3.1 \, \text{km}}{8 \, \text{km/h}} = 100 \, \text{km/h}
     yes, I would wait 5 minutes (.084 h)
```

for this information