Attendance Quiz for Lecture 5

NAME: (print!) Tyler Halper

E-MAIL ADDRESS: (print!) tjh167@scarletmail.rutgers.edu

1. The *girth* of a graph is the length of its shortest cycle. Write down the girth of

(i) K_{100} (ii) $K_{10,20}$ (iii) Q_{20}

3   4   4

2. Write down $\kappa(G)$ and $\lambda(G)$ for

(i) C_{10} (ii) W_{20} (iii) Q_6

i) $\kappa(C_{10}) = 2$
   $\lambda(C_{10}) = 2$

ii) $\kappa(W_{20}) = 3$
    $\lambda(W_{20}) = 3$

iii) $\kappa(Q_6) = 6$
     $\lambda(Q_6) = 6$