

Name:
Date:
Class Period:

Friday Quiz: Network Analysis

For the questions, refer to the network shown on the back of the quiz.

1. How many nodes are in the network on the back of this page? _____
2. How many edges (both incoming and outgoing) are connected to 6D? _____
3. This network of nodes and edges shows us how information may be passed around the classroom. With this in mind, if 1C hears an interesting rumor, and this rumor gets passed around via cell phones, will 5C hear about it? Explain.
4. If 4B is removed from the network, will it affect who in the class hears the rumor from 1C? Explain.
5. If 4D is removed from the network, will it affect who in the class hears the rumor from 1C? If so, who will it affect?
6. If the teacher wanted to confiscate a student phone (other than 1C's) to best limit the spreading rumor, whose phone would be the best to take? Why?
7. List 3 different possible routes for a message to get from 2C to 7B:
 - a. _____
 - b. _____
 - c. _____
8. List 3 advantages of using software to analyze networks:
 - a. _____
 - b. _____
 - c. _____

For the questions, refer to the network shown on the back of the quiz. Continue answers on the back if extra space is needed.

