MATH 8 CLASS-WORK

Name: _____   Period:_____   Date: _____

Typical Income in Slugville

Three candidates are running for the mayor of Slugville. Each has determined the typical income for the people in Slugville and is using this information to help in the campaign.

Mayor Phibbs is running for re-election. He says:
 "Slugville is doing great! The average income for each person is $2000 per week!"

Challenging candidate Louisa Louis says:
"Slugville is nice, but it needs my help! The average income is only $100 per week."

Radical Ronnie Redford says:
"No way! We must burn down the town – it's awful. The average income is $0 per week."

Slugville has only 16 residents, and their weekly incomes are:

$0, $0, $0, $0, $0, $0, $0, $0
$200, $200, $200, $200, $200, $200, $200
$30,600

WHO IS CORRECT?

QUESTIONS

1. Explain how each of the candidates determined what the "average" income was for the town. Check the computations to see whether you agree with the three candidates.

2. Does any person in Slugville have the mean income? Explain.

3. Does any person in Slugville have the median income. Explain.

4. Does any person in Slugville have the mode income? Explain.

5. What do you consider to be the typical income for a resident of Slugville. Explain.

6. If four more people moved to Slugville, each with a weekly income of $200, how would the mean, median and mode change?