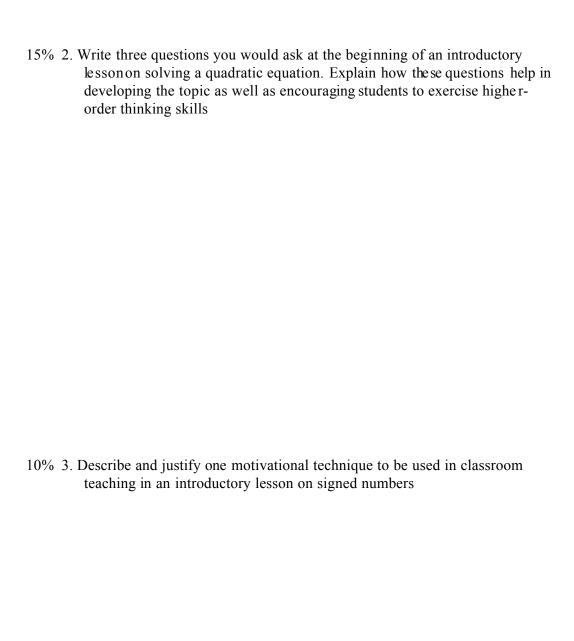
EDUC 253 FINAL EXAM, FALL2005

15% 1. For each of the following topics, suggest one appropriate teaching strategy.Name the strategy and explain how you would apply it on the topic:(a) prime factorization

(b) product of two signed numbers

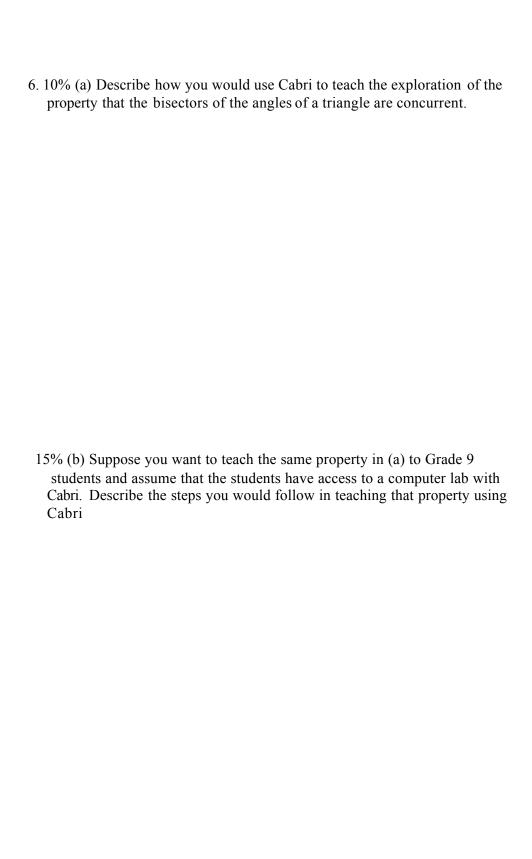


10% 4. What is journal writing and how can it be used in teaching mathematics? What are the advantages of journal writing in the teaching of mathematics?

15% 5. Given the following problem:

There are 10 towns and exactly one road has to be built between each two towns.

Solve this problem using three different problem-solving strategies.



15% 7. Write three test items (one is procedural knowledge, one is conceptual understanding, one is problem solving) on the topic of quadratic equations. For each item specify what the item measures exactly.