



## Algebra 2 Internet Connect Activity

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### *MB1 College Investigations*

1. Find out the current yearly costs for tuition and fees at Central Michigan University. Also, find out the yearly costs for room and board.

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2. What is the average percent change in tuition and fees from 1997–98 to 1998–99 for a four-year public university such as Central Michigan University? What is the average percent change in room and board for the same category?

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Assume that the percents you just found remain stable over the next 10 years.

3. Suppose that you are going to college in two years. Use a recursive formula to determine the cost of tuition and fees two years from now.

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4. Use an explicit formula to determine the cost of tuition and fees two years from now.

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5. Use a recursive formula to determine the cost of room and board two years from now.

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6. Use an explicit formula to determine the cost of room and board two years from now.

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7. Suppose that you have a younger brother or sister who plans to go to the same college 10 years from now. Use an explicit formula to determine the cost of tuition and fees at that time.

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8. Use an explicit formula to determine the cost of room and board ten years from now.

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9. Find out current yearly costs for tuition and fees at a university of your choice using the “American Universities” link. Also, find out the yearly (2 semester) costs for room and board.

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