Algebra 2   Compound Interest Worksheet

Name _____

Solve these compound interest problems and round your answer to the nearest 100th.

1) Find the final amount for a $1000 investment at 6% interest compounded annually for 20 years.

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2) Find the final amount for a $750 investment at 5.25% interest compounded semiannually for 25 years.

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3) Find the final amount for a $500 investment at 10% interest compounded monthly for 15 years.

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4) Find the final amount for a $1200 investment at 2.5% interest compounded quarterly for 10 years.

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5) Find the final amount for an $1800 investment at 8% interest compounded quarterly for 6 years.

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6) Find the final amount for a $1500 investment at 5.65% interest compounded daily for 3 years.

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7) Find the final amount for a $300 investment at 5% interest compounded continuously for 4 years.

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8) Find the final amount for a $650 investment at 6.5% interest compounded continuously for 20 years.

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9) Find the final amount for a $2000 investment at 5.5% interest compounded continuously for 10 years.

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10) A freshman in high school has saved $8000 for college. What will this investment be worth in 4 years if the account the money was placed in earns 5.2% interest compounded continuously?

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11) Find the final amount for a $6000 investment at 6.5% simple interet for 10 years.

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