Name:______Points:_____

Exercise 1. Solve for x.

(a)
$$2.7^{x+2} = 6.5^x$$

(b)
$$5^{x+3} = 9^{x+1}$$

MODULE 8: APPLICATIONS OF EXPONENTIALS AND LOGARITHMS
Exercise 4. A piece of wood has lost 12% of its carbon-14. How old is the wood?

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Exercise 5. \$5,000 have been invested for 10 years at a rate of 4.2% with a monthly compounding. How much money will the investor receive at the end of the investment period?