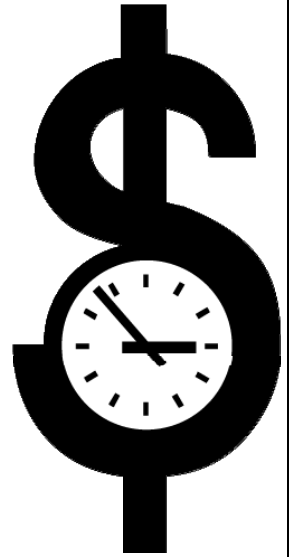Name: _____   Date _____

Topic : <u>Logarithm Word Problems- Worksheet 1</u>

1. Ron invested $55,000 in a nine-year CD that pays out twelve percent compounded annually. What is the amount after fifteen years?

2. Jack invested $35,786 in a four-year CD and it pays out nine percent compounded quarterly .what is the compound interest that will be in the account after six year?

3. Rick has a savings bond that will be worth $8,220 in eight years. The interest rate of the bond is 5% that is compounded semiannually. Find the present value of the bond?

4. Jenny invested $15,600 in a sixteen-year CD that pays out five percent compounded annually. What is the amount in the account after ten years?

5. Joy invested $10,550 in a two-year CD that pays out six percent compounded quarterly. What is the compound interest that will be in the account after nine year?

6. Mack borrowed $400 from Tom three months ago. Today, Benny paid Mack back $4,000. What is the annual interest rate that Benny paid?

7. Lara has a savings bond that will be worth $55,700 in two years. The bond has an interest rate of 8% that is compounded semi-annually. Find the present value of the bond?

8. Chris invested $20,650 in a eleven-year CD that pays out five percent compounded annually. What is the amount after fifteen years?

9. Alana invested $20,000 in a seven-year CD that pays out two percent compounded quarterly. Find the interest after ten years.

10. Mark invested $11,270 in a twelve-year CD that pays out six percent compounded annually. What is the amount after fifteen years?

Name: _____   Date _____

Topic : <u>Logarithm Word Problems- Worksheet 1</u> **ANSWERS**

1.   301046.1

2.   61042.56

3.   5537.2

4.   25410.75

5.   18031.42

6.   3600

7.   47612.6

8.   42929.8

9.   24415.8

10.   27009.21

Name: _____   Date _____

Topic : Logarithm Word Problems- Worksheet 2

1. Rowan invested $60,500 in a ten-year CD that pays out ten percent compounded annually. What is the amount after seventeen years?

2. Steve invested $25,600 in a four-year CD and it pays out five percent compounded quarterly .What is the compound interest that will be in the account after seven year?

3. Gerry has a savings bond that will be worth $9,000 in five years. The interest rate of the bond is 4% that is compounded semiannually. Find the present value of the bond.

4. Lilly invested $20,100 in a twelve-year CD that pays out seven percent compounded annually. What is the amount in the account after fifteen years?

5. Smith invested $15,250 in a four-year CD that pays out nine percent compounded quarterly. What is the compound interest that will be in the account after six years?

6. Merry borrowed $800 from Martha six months ago. Today, King paid Merry back $7,200. What is the annual interest rate that King paid?

7. Jenny has a savings bond that will be worth $25,000 in four years. The bond has an interest rate of 10% that is compounded semi-annually. Find the present value of the bond.

8. Paul invested $30,850 in a ten-year CD that pays out two percent compounded annually. What is the amount after twelve year?

9. Jack invested $25,000 in a five-year CD that pays out five percent compounded quarterly. Find the interest after eight years.

10. Monty invested $12,250 in a nine-year CD that pays out four percent compounded annually. What is the amount after fifteen years?

Name: _____   Date _____

Topic : <u>Logarithm Word Problems- Worksheet 2</u> **ANSWERS**

1.   **305795.4**

2.   **36249.4**

3.   **8151.6**

4.   **55456. 5**

5.   **26012.9**

6.   **1600**

7.   **16921**

8.   **39125.2**

9.   **37203.2**

10.   **22061.5**

Topic : <u>Logarithm Word Problems- Worksheet 3</u>

1. Ricky invested $40,250 in a five-year CD that pays out four percent compounded annually. What is the amount after ten years?

 2. Martin invested $15,450 in a six-year CD and it pays out seven percent compounded quarterly. What is the compound interest that will be in the account after seven year?

3. Joy has a savings bond that will be worth $4,000 in six years. The interest rate of the bond is 8% that is compounded semiannually. Find the present value of the bond.

4. Colin invested $35,500 in a eleven-year CD that pays out nine percent compounded annually. What is the amount in the account after sixteen years?

5. Gerry invested $18,000 in a six-year CD that pays out four percent compounded quarterly. What is the compound interest that will be in the account after eight years?

6. Jacob borrowed $200 from David four months ago. Today, Logan paid Jacob back $2,000. What is the annual interest rate that Logan paid?

7. James has a savings bond that will be worth $10,000 in seven years. The bond has an interest rate of 20% that is compounded semi-annually. Find the present value of the bond.

8. Ryan invested $20,100 in a nine-year CD that pays out five percent compounded annually. What is the amount after fifteen years?

9. Aiden invested $12,000 in a three-year CD that pays out six percent compounded quarterly. Find the interest after six years.

10. Michael invested $19,750 in a nine-year CD that pays out six percent compounded annually. What is the amount after ten years?

Name: _____   Date _____

Topic : <u>Logarithm Word Problems- Worksheet 3</u> **ANSWERS**

1. **59579.8**

2. **25112.6**

3. **2498.4**

4. **140945.8**

5. **24748.9**

6. **2700**

7. **2633.3**

8. **41786.4**

9. **17154.03**

10. **35369.2**

Topic : <u>Logarithm Word Problems- Worksheet 4</u>

1. Rimy invested $15,000 in a five-year CD that pays out ten percent compounded annually. What is the amount after eleven years?

2. Magi invested $20,200 in a two-year CD and it pays out five percent compounded quarterly. What is the compound interest that will be in the account after six years?

3. Jack has a savings bond that will be worth $9,900 in seven years. The interest rate of the bond is 15% that is compounded semiannually. Find the present value of the bond.

4. Mike invested $12,345 in a nine-year CD that pays out ten percent compounded annually. What is the amount in the account after sixteen years?

5. Bob invested $14,145 in a four-year CD that pays out three percent compounded quarterly. What is the compound interest that will be in the account after eight years?

6. Tony borrowed $500 from Rica five months ago. Today, Benny paid Tom back $2000. What is the annual interest rate that Tom paid?

7. Riva has a savings bond that will be worth $21,600 in five years. The bond has an interest rate of 10% that is compounded semi-annually. Find the present value of the bond.

8. Rimy invested $17,400 in a seven- year CD that pays out ten percent compounded annually. What is the amount after thirteen years?

9. Merry invested $96,100 in a six-year CD that pays out four percent compounded quarterly. Find the interest after fifteen years.

10. Shaggy invested $45,236 in a five-year CD that pays out eleven percent compounded annually. What is the amount after ten years?

Name: _____   Date _____

Topic : <u>Logarithm Word Problems- Worksheet 4</u> **ANSWERS**

1.   **42796.75**

2.   **27216.49**

3.   **3596.8**

4.   **14475.48**

5.   **17965.72**

6.   **720**

7.   **13260.5**

8.   **60069.51**

9.   **117260.26**

10.   **128444.04**

Name: _____   Date _____

Topic : <u>Logarithm Word Problems- Worksheet 5</u>

1. Rex invested $22000 in a five-year CD that pays out fifteen percent compounded annually. What is the amount after thirteen years?

2. Andrew invested $24,600 in a four-year CD and it pays out nine percent compounded quarterly. What is the compound interest that will be in the account after eight years?

3. John has a savings bond that will be worth $6,300 in six years. The interest rate of the bond is 11% that is compounded semiannually. Find the percent value of the bond.

4. Jenny invested $15,600 in a three-year CD that pays out five percent compounded annually. What is the amount in the account after ten years?

5. Harry invested $12,100 in a four-year CD that pays out nine percent compounded quarterly. What is the compound interest that will be in the account after nine years?

6. Ronny borrowed $800 from Giles four months ago. Today, Ricky paid Ronny back $3,000. What is the annual interest rate that Ricky paid?

7. Riva has a savings bond that will be worth $21,400 in three years. The bond has an interest rate of 10% that is compounded semi-annually. Find the percent value of the bond.

8. Betty invested $14,200 in a six-year CD that pays out six percent compounded annually. What is the amount after twelve years?

9. Riana invested $80,000 in a five-year CD that pays out three percent compounded quarterly. Find the interest after thirteen years.

10. Rocha invested $8,453 in a ten-year CD that pays out nine percent compounded annually. What is the amount after twenty years?

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Name: _____   Date _____

Topic : <u>Logarithm Word Problems- Worksheet 5</u> **ANSWERS**

1.   **135361.32**

2.   **50137.33**

3.   **3313.7**

4.   **25410.75**

5.   **26956.57**

6.   **825**

7.   **15969**

8.   **28573.18**

9.   **117482.69**

10.   **47374.08**