**Algebra Foundations  Quiz # 17   Week 7 Monday   Name**_____

## SHOW ALL WORK to receive full credit.

**Multiply or divide. (2 points each)**

1.  7 9 5
    × 6 2

2.  8 3 7
    × 4 9

3.  6 | 1 8 5 4

4. 7 | 8 3 4 2 1

**Complete the following domain/range tables.  (6 points each)**

5.

| $x$ | $y = 4x - 7$ | $y$ |
|-----|--------------|-----|
| 3   |              |     |
| 8   |              |     |
| 7   |              |     |
| 2   |              |     |
| 6   |              |     |
| 5   |              |     |

6.

| $x$ | $y = 6x + 7$ | $y$ |
|-----|--------------|-----|
| 4   |              |     |
| 6   |              |     |
| 9   |              |     |
| 0   |              |     |
| 1   |              |     |
| 7   |              |     |

7.  **Mental Percents:  Complete the following table.**
    **(1 point for each column – 6 points for the table.)**

| #       | 100% | 50% | 25% | 10% | 5% | 1% |
|---------|------|-----|-----|-----|----|----|
| $68.00 |      |     |     |     |    |    |
| 460     |      |     |     |     |    |    |

**Answer the following questions using the chart above.  (2 points each)**

8.    What is 40% of $68.00? _____

9.    What is 85% of 460? _____

10.   What is 23% of $68.00? _____

32 points

**Complete the following without the use of a table, but still think of the mental percents to help you. (2 points each)**

11.    What is 30% of 140? _____

12.    What is 95% of 320? _____

13.    What is 75% of $88.00 _____

**Solve the following equations.  (3 points each)**

14.    $\dfrac{8}{x} = \dfrac{24}{36}$

15.    $\dfrac{12}{x+4} = \dfrac{4}{6}$

16.    $3(2x + 6) = 4(x + 7)$

17.    $5(2c + 4) = 2(3c + 2) + 8 + 6c$

18 points

**Algebra Foundations  Quiz # 18   Week 7 Tuesday   Name_____**

## <u>SHOW ALL WORK to receive full credit.</u>

**Multiply or divide. (2 points each)**

1.     6 7 9
       × 5 3

2.     4 9 4
       × 7 3

3.   $7\overline{)4\,5\,5\,7}$

4. $5\overline{)3\,2\,8\,7\,2}$

**Complete the following domain/range tables.  (6 points each)**

5.

| $x$ | $y = 8x + 3$ | $y$ |
|---|---|---|
| 8 | | |
| 4 | | |
| 2 | | |
| 9 | | |
| 5 | | |
| 3 | | |

6.

| $x$ | $y = 4x - 1$ | $y$ |
|---|---|---|
| 9 | | |
| 4 | | |
| 7 | | |
| 5 | | |
| 3 | | |
| 2 | | |

7.   **Mental Percents:  Complete the following table**
     **(1 point for each column – 6 points for the table.)**

| # | 100% | 50% | 25% | 10% | 5% | 1% |
|---|---|---|---|---|---|---|
| **$450.00** | | | | | | |
| **820** | | | | | | |

**Answer the following questions using the chart above.  (2 points each)**

8.     What is 20% of $450.00? _____

9.     What is 7% of 820? _____

10.     What is 90% of $450.00? _____

<div align="right">32 points</div>

**Complete the following without the use of a table, but still think of the mental percents to help you. (2 points each)**

11.      What is 22% of $20.00? _____

12.      What is 15% of 260? _____

13.      What is 13% of $48.00 _____

**Solve the following equations. (3 points each)**

14.   $\frac{2}{x} = \frac{8}{20}$

15.   $\frac{x+4}{4} = \frac{9}{3}$

16.   $2(x + 8) = 3(x + 5)$

17.   $5(2c + 7) + 5c = 3(c + 9) + 56$

18 points

**Algebra Foundations  Quiz # 19  Week 7 Friday    Name_____**

## SHOW ALL WORK to receive full credit.

**Multiply or divide. (2 points each)**

1.     5 8 1
       × 4 2

2.     4 | 7 1 5 9

```
  52      52      52      52      52      52      52      52      52
 x 1     x 2     x 3     x 4     x 5     x 6     x 7     x 8     x 9
  52     104     156     208     260     312     364     416     468
```

3.

   52 | 1 6 0 7 5

**Complete the following domain/range tables.  (6 points each)**

4.

| x | y = 4x + 7 | y |
|---|------------|---|
| 8 |            |   |
| 1 |            |   |
| 2 |            |   |
| 9 |            |   |
| 4 |            |   |
| 3 |            |   |

5.

| x | y = 8x − 2 | y |
|---|------------|---|
| 9 |            |   |
| 4 |            |   |
| 7 |            |   |
| 5 |            |   |
| 1 |            |   |
| 2 |            |   |

**Complete the following without the use of a table, but still think of the mental percents to help you. (2 points each)**

6. What is 20% of $80.00? _____

7. What is 15% of 40? _____

8. What is 24% of $620.00? _____

9. What is 8% of 72? _____

**Solve the following equations. (3 points each)**

10. $4x + 5 = 13$

11. $6x + 20 = 9x + 2$

12. $\dfrac{8}{x} = \dfrac{20}{45}$

13. $\dfrac{x+4}{10} = \dfrac{9}{18}$

14. $\dfrac{x+2}{2} = \dfrac{x+6}{3}$

15. $\dfrac{x+8}{27} = \dfrac{x+4}{21}$

16. $2(5x + 2) = 3(x + 20)$

17. $2(2c + 6) + 2c = 2(5c + 4) + 4$

32 points