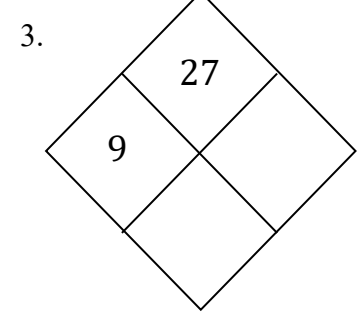
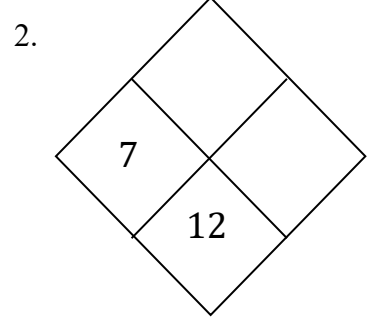
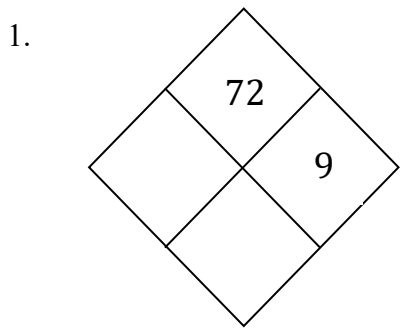


SHOW ALL WORK to receive full credit.

Complete the following Diamond Problems. (1 point each)



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

4.

x	$y = 4x + 1$	y
1		
4		
2		
0		
5		
3		

5.

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

6.

x	$y = x + 3$	y
0		
10		
6		
1		
3		
8		

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

#	100%	50%	25%	10%	5%	1%
620						
98						

Answer the following questions using the chart above. (1 point each)

8. What is 60% of 620? _____
9. What is 15% of 98? _____
10. What is 45% of 620? _____

Solve the following equations.

(2 points each)

11. $5x = 40$

12. $x + 3 = 23$

13. $3x = 27$

14. $26 = x + 8$

15. $12x = 6x + 6$

16. $8x + 12 = 12x$

17. $3(2c + 1) = 5c + 6$

18. $4c + 22 = 7c + 10$

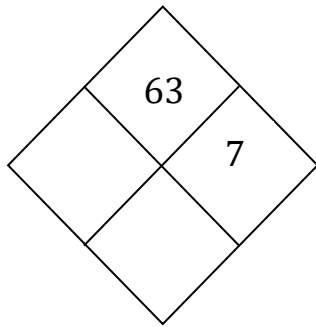
19. $4(2c + 2) = 3(2c + 1) + 7$

20. $4(c + 3) + 6 = 2(3c + 4) + 3c$

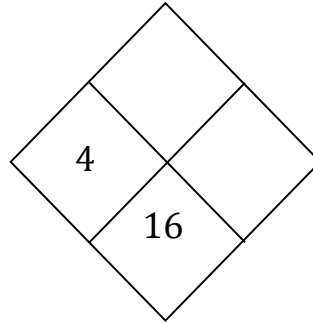
SHOW ALL WORK to receive full credit.

Complete the following Diamond Problems. (1 point each)

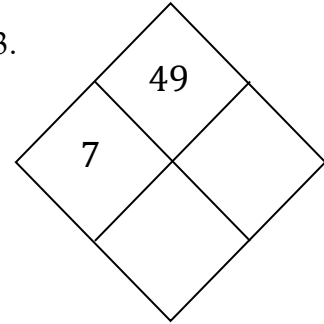
1.



2.



3.



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

4.

x	$y = x + 5$	y
1		
4		
2		
0		
5		
3		

5.

x	$y = 6x - 1$	y
1		
4		
7		
5		
3		
2		

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

#	100%	50%	25%	10%	5%	1%
840						
78						

Answer the following questions using the chart above. (1 point each)

7. What is 95% of 840? _____

8. What is 16% of 78? _____

9. What is 80% of 840? _____

Solve the following equations.

(2 points each)

10. $7x = 49$

11. $x + 16 = 22$

12. $33 = 11x$

13. $17 = x + 3$

(3 points each)

14. $5x + 7 = 37$

15. $12x = 8x + 16$

16. $4(2c + 3) = 3c + 27$

17. $2(2c + 3) = 2c + 6$

18. $4(4c + 2) = 3(2c + 16)$

19. $8(3c + 2) = 2(c + 7) + 24$

SHOW ALL WORK to receive full credit.

Multiply. (1 point each)

1.
$$\begin{array}{r} 395 \\ \times 18 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 184 \\ \times 65 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 267 \\ \times 94 \\ \hline \end{array}$$

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

4.

x	$y = x + 2$	y
1		
4		
2		
0		
5		
3		

5.

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

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

#	100%	50%	25%	10%	5%	1%
760						
84						

Answer the following questions using the chart above. (1 point each)

7. What is 90% of 760? _____

8. What is 36% of 84? _____

9. What is 70% of 760? _____

Solve the following equations.

(2 points each)

10. $8x = 32$

11. $x + 12 = 36$

12. $60 = 6x$

13. $15 = x + 8$

(3 points each)

14. $2x + 6 = 14$

15. $4x = 2x + 6$

16. $2(3c + 8) = 9c + 1$

17. $4(2c + 1) = 7c + 7$

18. $3(3c + 6) = 2(5c + 9)$

19. $6(2c + 4) = 4(c + 5) + 10c$