Algebra I Class Worksheet #1 Unit 2 page 1

Complete the table for each input-output chart shown.

	1.	2.	3.	4.
Input	x + 7 = 12	x - 6 = 5	7x = 42	$\frac{x}{3} = 7$
	subtract 7	add 6	divide both sides	multiply
Operation	both sides	both sides	both sides by 7	both sides by 3
Output				

	5.	6.	7.	8.
Input	x + 8 = 12	x - 4 = 6	5x = 45	$\frac{\mathbf{X}}{2} = 4$
↓ Operation				
Output				

Solve the following equations. Show your process neatly organized.

9. x + 3 = 8 10. x - 6 = 2 11. 7x = 35 12. $\frac{x}{4} = 5$

13.
$$x + 32 = 78$$
 14. $x - 61 = 12$ 15. $7x = 154$ 16. $\frac{x}{9} = 27$

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Write an algebraic expression for each of the following. In each case, use x for 'the number'.

17. nine more than the number : _____ 18. six less than the number : _____

19. five times the number : 20. the number divided by three :

Write an algebraic expression for each of the following. In each case, use d for Dave's age now.

21. Dave's age in five years :

22. Dave's age nine years ago : _____

23. four times Dave's age : _____