Translate Phrases into Math Expressions II - KEY

Translate the following phrases into mathematical expressions.

1.	The sum of a number and five.	1.	$X + 5$
2.	Eighteen less than a number.	2.	$X - 18$
3.	The product of a number and eight is two.	3.	$8X = 2$
4.	Three times the sum of a number and four.	4.	$3(X + 4)$
5.	The quotient of twice a number and six.	5.	$2X \div 6$ or $\frac{2X}{6}$
6.	Two-thirds of a number is eighteen.	6.	$\frac{2}{3}X = 18$
7.	Eight more than a number.	7.	$X + 8$
8.	The difference of a number and eight, divided by ten.	8.	$\frac{X - 8}{10}$ or $(X - 8) \div 10$

9.	Two numbers have a sum of fifteen. One of the numbers is x . Find an expression for the other number.	9.	$15 - X$
10.	One of the angles of two complementary angles measures x . Find an expression for the other angle.	10.	$90 - X$
11.	Joan has fourteen books. Suppose that she donates x books to the library. How many books does she have left?	11.	$14 - X$
12.	Ed is x years old now. How old will he be in five years?	12.	$X + 5$
13.	Movie tickets cost x dollars for an adult and y dollars for a child. Find the total cost for two adults and four children.	13.	$2X + 4Y$
14.	Ted is x years old now. How old was he last year?	14.	$X - 1$
15.	One of the angles of two supplementary angles measures x . Find an expression for the other angle.	15.	$180 - X$
16.	Let x represent the first of three consecutive integers. Find a variable expression for the next two consecutive integers.	16.	$(X),\ X + 1,\ X + 2$
17.	Let x represent the first of three consecutive EVEN integers. Find a variable expression for the next two even integers.	17.	$(X),\ X + 2,\ X + 4$
18.	Let x represent the first of three consecutive ODD integers. Find a variable expression for the next two odd integers.	18.	$(X),\ X + 2,\ X + 4$