1. Circle the correct algebraic expression used to describe each phrase?

a) A number decreased by 6 *n* – 6 6 – *n*

b) A number divided by 2 *a* +   – *a*

c) Double a number, then subtract 1. 2*x* – 1 1 – 2*x x*2 – 1

d) Five less than four times a number 5 – 4q4q – 5 4(q – 5)

e) Twelve added to twice a number 2e + 12 2(e + 12) 12 – 2e

1. Write an algebraic expression or equation for each statement.

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|  | Expression or Equation | Variable | Coefficient | Constant |
| a) Nine more than a number |  |  |  |  |
| b) Eighteen times a number |  |  |  |  |
| c) A number divided by seven |  |  |  |  |
| d) Twelve less than a number |  |  |  |  |
| e) Six more than eleven times a number |  |  |  |  |
| f) Eight subtracted by 3 times a number is eighteen |  |  |  |  |
| g) Multiply a number by five, then subtract three, you get 18 |  |  |  |  |
| h) Six less than a number is 25 |  |  |  |  |
| i) A number divided by five is ten |  |  |  |  |
| j) Five more than three times a number is eleven |  |  |  |  |

1. Write each algebraic expression in words. Then ***evaluate*** each expression for the variable = 6.

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|  | **Write in Words** | **Evaluate** |
| a) 4n |  |  |
| b) x + 8 |  |  |
| c) |  |  |
| d) 7 + 3p |  |  |
| e) 10t – 15 |  |  |
| f)50 – 8r |  |  |

1. Write an equation for each word problem described below. You do not have to solve.
2. 331 students went on a field trip. Six buses were filled, and 7 students traveled in cars. How many students were in each bus?
3. Sarah won 40 bouncy balls playing horseshoes at her school's game night. Later, she gave two to each of her friends. She only has 8 remaining. How many friends does she have?
4. Maeve wants her friend to guess how many cards she has in her hand. She says that if the number of cards in her hand is tripled, and 4 are added, then she has 22 cards.