Exercise 1D

Question 7:
Closure Property: The sum of two real numbers is always a real number.

Associative Law: (a + b) + c = a + (b + c) for al real numbers a, b, c.

Commutative Law: a + b = b + a, for all real numbers a and b.

Existence of identity: 0 is a real number such that 0 + a = a + 0, for every real number a.

Existence of inverse of multiplication:
For each non zero real number a,
there exists a real number $\frac{1}{a}$ such that
$a \times \frac{1}{a} = \frac{1}{a} \times a = 1$
a and $\frac{1}{a}$ are called the multiplicative inverse of each other.

********** END **********