Question 1:

Find the squares of the following:

(1) 9.5
(2) 1.12
(3) 0.09
(4) −0.01
(5) 0.7
(6) −2.16
(7) −5.13
(8) 7.7
(9) −0.002
(10) −9.1
(11) 1.23
(12) −0.45

ANSWER:

(1) Square of $9.5 = (9.5)^2$
$= 9.5 \times 9.5 = 90.25$

(2) Square of $1.12 = (1.12)^2$
$= 1.12 \times 1.12 = 1.2544$

(3) Square of $0.09 = (0.09)^2$
$= 0.09 \times 0.09 = 0.0081$

(4) Square of $(-0.01) = (-0.01)^2$
(-0.01×-0.01)
$= 0.0001$ (Square of a negative number is always positive)

(5) Square of $0.7 = (0.7)^2$
$= 0.7 \times 0.7 = 0.49$

(6) Square of $(-2.16) = (-2.16)^2$
$= (-2.16 \times -2.16)$
$= 4.6656$ (Square of a negative number is always positive)

(7) Square of $(-5.13) = (-5.13)^2$
$= (-5.13 \times -5.13)$
$= 26.3169$ (Square of a negative number is always positive)

(8) Square of $7.7 = (7.7)^2$
$= 7.7 \times 7.7 = 59.29$

(9) Square of $(-0.002) = (-0.002)^2$
$= (-0.002 \times -0.002)$
$= 0.000004$ (Square of a negative number is always positive)

(10) Square of $(-9.1) = (-9.1)^2$
$= (-9.1 \times -9.1)$
$= 82.81$ (Square of a negative number is always positive)

(11) Square of $1.23 = (1.23)^2$
$= 1.23 \times 1.23 = 1.5129$

(12) Square of $(-0.45) = (-0.45)^2$
$= (-0.45 \times -0.45)$
$= 0.2025$ (Square of a negative number is always positive)