

**Algebraic Expressions and Identities: Worksheet -7**

1. Use appropriate formulas to find the values of the following:

(i)  $(105)^2$  = \_\_\_\_\_

(ii)  $\left(1000\frac{1}{2}\right)^2$  = \_\_\_\_\_

(iii)  $(996)^2$  = \_\_\_\_\_

(iv)  $(995)^2$  = \_\_\_\_\_

(v)  $\left(98\frac{1}{2}\right)^2$  = \_\_\_\_\_

(vi)  $1012 \times 988$  = \_\_\_\_\_

(vii)  $1000\frac{1}{4} \times 999\frac{3}{4}$  = \_\_\_\_\_

(viii)  $60.5 \times 59.5$  = \_\_\_\_\_

