

Name : \_\_\_\_\_

## Algebraic Identity

Sheet 1

Evaluate each expression using algebraic identity.

1)  $94^2 - 6^2$

2)  $5.3^2 - 4.7^2$

3)  $673^2 - 473^2$

4)  $102^2 - 98^2$

5)  $8.94^2 - 1.06^2$

6)  $735^2 - 235^2$

7)  $361^2 - 339^2$

8)  $28.6^2 - 21.4^2$

9)  $845.9^2 - 745.9^2$

10)  $426^2 - 376^2$

Name : \_\_\_\_\_

## Answer key

### Algebraic Identity

Sheet 1

Evaluate each expression using algebraic identity.

1)  $94^2 - 6^2$

**8,800**

2)  $5.3^2 - 4.7^2$

**6**

3)  $673^2 - 473^2$

**229,200**

4)  $102^2 - 98^2$

**800**

5)  $8.94^2 - 1.06^2$

**78.8**

6)  $735^2 - 235^2$

**485,000**

7)  $361^2 - 339^2$

**15,400**

8)  $28.6^2 - 21.4^2$

**360**

9)  $845.9^2 - 745.9^2$

**159,180**

10)  $426^2 - 376^2$

**40,100**