

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

## Algebraic Identity

Sheet 2

Evaluate each expression using algebraic identity.

1)  $149.4^2 - 49.4^2$

2)  $283^2 - 117^2$

3)  $7.32^2 - 2.68^2$

5)  $357^2 - 243^2$

7)  $476^2 - 324^2$

9)  $197^2 - 187^2$

10)  $30.25^2 - 19.75^2$

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

## Answer key

Sheet 2

### Algebraic Identity

Evaluate each expression using algebraic identity.

1)  $149.4^2 - 49.4^2$

**19,880**

2)  $283^2 - 117^2$

**66,400**

3)  $7.32^2 - 2.68^2$

**46.4**

5)  $357^2 - 243^2$

**68,400**

7)  $476^2 - 324^2$

**121,600**

9)  $197^2 - 187^2$

**3,840**

10)  $30.25^2 - 19.75^2$

**525**

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