

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

## Algebraic Identities

Mixed: S3

Evaluate each expression using algebraic identities.

1)  $30.3^2 - 19.7^2$

2)  $1005 \times 995$

3)  $104^3$

5)  $4.9 \times 5.1$

7)  $20.8^2$

9)  $9.6 \times 10.2$

10)  $106^2$

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## Answer key

### Algebraic Identities

Mixed: S3

Evaluate each expression using algebraic identities.

1)  $30.3^2 - 19.7^2$

**530**

2)  $1005 \times 995$

**999,975**

3)  $104^3$

**1,124,864**

5)  $4.9 \times 5.1$

**24.99**

7)  $20.8^2$

**432.64**

9)  $9.6 \times 10.2$

**97.92**

10)  $106^2$

**11,236**

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