

Name : _____

Algebraic Identities

Mixed: S1

Evaluate each expression using algebraic identities.

1) 55^2

2) $102^2 - 2^2$

3) 203^3

4) 1004×1005

5) 0.8×1.1

6) 27^3

7) $12.9^2 - 7.1^2$

8) 9.8^2

9) 3.6×4.4

10) 502×499

Name : _____

Answer key

Algebraic Identities

Mixed: S1

Evaluate each expression using algebraic identities.

1) 55^2

3,025

2) $102^2 - 2^2$

10,400

3) 203^3

8,365,427

4) 1004×1005

1,009,020

5) 0.8×1.1

0.88

6) 27^3

19,683

7) $12.9^2 - 7.1^2$

116

8) 9.8^2

96.04

9) 3.6×4.4

15.84

10) 502×499

250,498