

Name : _____

Square Root

ES1

A) Write in the simplest radical form.

1) $\sqrt{8}$

2) $\sqrt{162}$

3) $\sqrt{45}$

4) $\sqrt{847}$

5) $\sqrt{27}$

6) $\sqrt{224}$

7) $\sqrt{425}$

8) $\sqrt{735}$

9) $\sqrt{243}$

B) 1) Which of the following is the simplest radical form of $\sqrt{600}$?

i) $3\sqrt{10}$

ii) $10\sqrt{6}$

iii) $6\sqrt{10}$

iv) $20\sqrt{3}$

2) Find the value of $\sqrt{76}$.

i) $5\sqrt{19}$

ii) $2\sqrt{38}$

iii) $2\sqrt{19}$

iv) $4\sqrt{19}$

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3) $\sqrt{45}$

 $2\sqrt{2}$

 $9\sqrt{2}$

 $3\sqrt{5}$

4) $\sqrt{847}$

5) $\sqrt{27}$

6) $\sqrt{224}$

 $11\sqrt{7}$

 $3\sqrt{3}$

 $4\sqrt{14}$

7) $\sqrt{425}$

8) $\sqrt{735}$

9) $\sqrt{243}$

 $5\sqrt{17}$

 $7\sqrt{15}$

 $9\sqrt{3}$

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