Name:	

### **Multiplying Radicals Worksheet**

Using the given information, find the area of the following building and town squares: (Don't forget to label your answer in **square** units.)

1. St. Peter's Basilica in Vatican City
St. Peter's is the most renowned work
of Renaissance architecture and the
largest church in the world. St.
Peter's is regarded as one of the
holiest Catholic shrines. Catholic
tradition holds that the basilica



is the burial site of Saint Peter, chief among Jesus's apostles and also the first Bishop of Rome.

Dimensions:  $6\sqrt{961}$  m on both sides

Area	of St	Peter's	•
$\alpha$	171 6 71/2	1 6061 5	-

# 2. Zocalo in Mexico City, Mexico



The **Zócalo** (Spanish pronunciation: ['so.ka.lo]) is the common name of the main square in central Mexico City. Prior to the colonial period, it was the main ceremonial center the Aztec city of Tenochtitlan.

Dimensions: 16√225 m on each side

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Δνωο	of Zoca	IV.	
$L$ $\mathbf{M}$ $\mathbf{C}$ $\mathbf{G}$	ui Zuca	10.	

### 3. Grand Place in Brussels, Belgium

The Grand Place ("Grand Square" also used in English) is the central square

It is

by

of Brussels.



opulent guildhalls and two larger edifices, the city's Town Hall, and the *King's House* or *Breadhouse* (French: *Maison du Roi*, Dutch: *Broodhuis*) building containing the Museum of the City of Brussels. Every two years in August, an enormous *flower carpet* is set up in the Grand Place for a few days. A million colorful begonias are set up in patterns, and the display covers a full 24 by 77 meters (79 by 253 ft), for area total of 1,800 m<sup>2</sup> (19,000 sq ft).

Dimensions:  $4\sqrt{289}m \times 10\sqrt{121}$ 

Ares	ı∩f	Grand	Place	•

## 4. Tiananmen Square in Beijing, China

**Tiananmen Square** or **Tian'anmen Square** is a city square in the centre of Beijing, China, named after the Tiananmen ("Gate of Heavenly Peace") located to its north, separating it from the Forbidden City. The square contains the Monument to the People's Heroes, the Great Hall of the People, the National





Museum of China, and the Mausoleum of Mao Zedong. In 1989, it was the scene of student protests, which the Chinese government put down militarily.

Dimensions:  $32\sqrt{625} m \times 20\sqrt{625} m$ 

Area	of Tian	anmen	Square:	
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## 5. Red Square in Moscow, Russia

Red Square is a city square in Moscow, Russia. It separates the Kremlin, the

former royal
the official
the <u>President</u>
historic
quarter known
Red Square is
to be the
Moscow since
streets, which
Russia's major
originate in the



citadel and now residence of of Russia, from a merchant as Kitai-gorod. often considered central square of the city's major connect to highways, square.

Dimensions:  $2\sqrt{225}m \times 14\sqrt{25}m$ 

Area of Red Square	•	