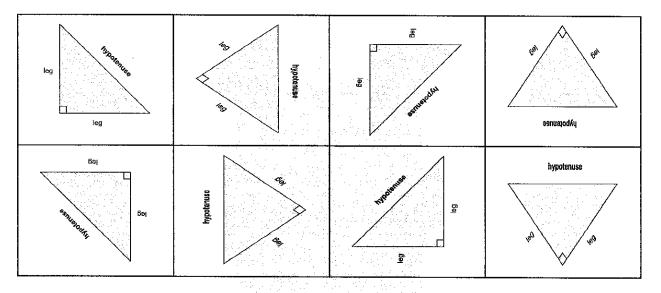
## **Activity 43**

Legibly write your Student ID number and period number on every page. Do NOT write your name.

Student ID (######)	Date (MM/DD/YYYY)	Period (#)
000000	03/14/2024	0

### **Guided Learning**

A right triangle is a triangle that has a right angle. Each side that is touching the right angle is called a leg. The side that is <u>not</u> touching the right angle is called the **hypotenuse**.



#### **Independent Learning**

Use the given right triangle to write the correct equation. Then solve for x.

# **Activity 43**

Legibly write your Student ID number and period number on every page. Do NOT write your name.

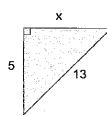
Student ID (######)	Date (MM/DD/YYYY)	Period (#)
000000	03/14/2024	0

1

|x| = 5  $x = \{-5, 5\}$ 

x = {s} : x = {s}

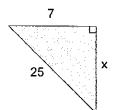
2



 $12 = |x| \times = \{-1^2, 22\} \sqrt{576} = \sqrt{x^2}$ 

× = { 12}

3

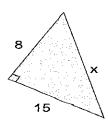


24 =1×1

X={-24,24}

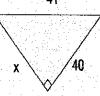
XERIXXO

~ x = {24}

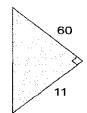


 $x^2 = 8^2 + 15^2$ 

41



 $41^2 = x^2 + 40^2$ 

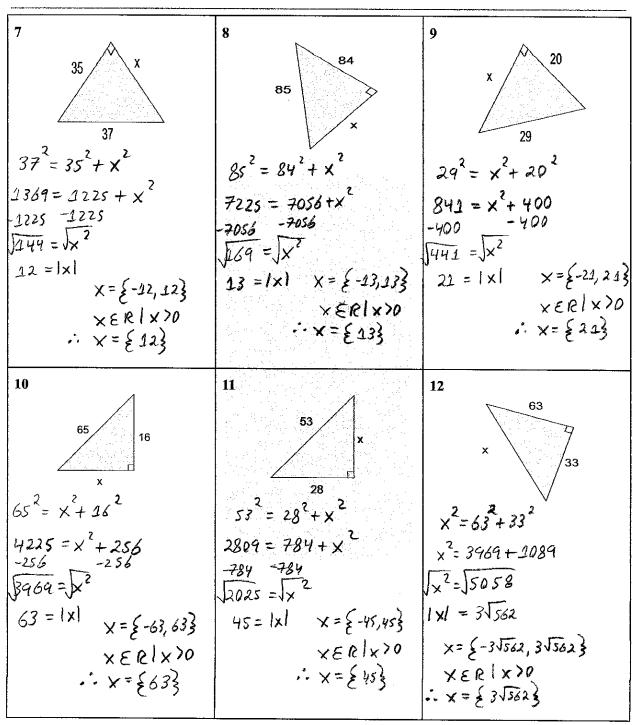


 $x^{2} = 60^{2} + 21^{2}$ 

### **Activity 43**

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Student ID (######)	Date (MM/DD/YYYY)	Period (#)
000000	03/14/2024	0



#### THIS IS THE END OF THE ACTIVITY