Unit 1: Square roots and the Pythagorean Theorem

Square numbers and area models

1) Complete the table. The first row has been done for you

A.	7 ²	7 × 7	49
B.	42		
C.	5 ²		
D.	9 ²		
E.	10 ²		
F.	12 ²		
G.	8 ²		
H.	6 ²		
I.	11 ²		
J.	14 ²		
K.	25 ²		

Squares and Square root

2) Complete each sentence. The first one has been done for you.

a.
$$\sqrt{49} = 7 \text{ because } 7^2 = 49$$

b.
$$\sqrt{36} =$$
 ____ because ___ = ___

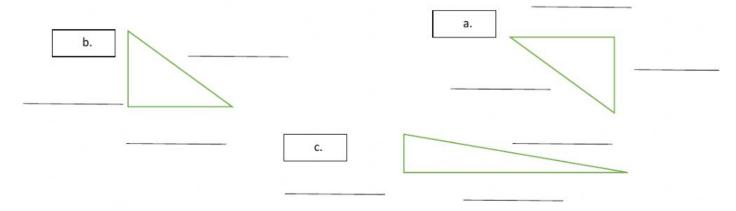
c.
$$\sqrt{125} = __because__ = __$$

d.
$$\sqrt{196} = __because __ = __$$

f.
$$\sqrt{100} = __because __ = __$$

The Pythagorean Theorem

3) Identify the legs and the hypotenuse of each right triangle.



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