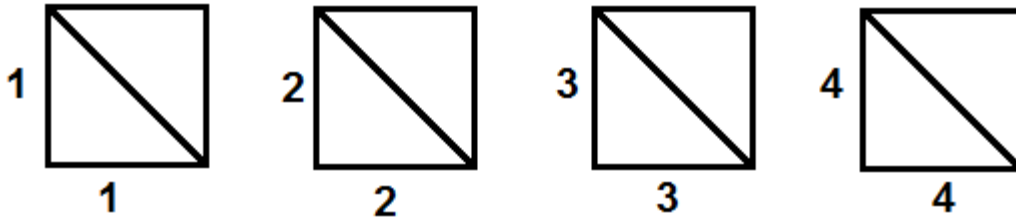
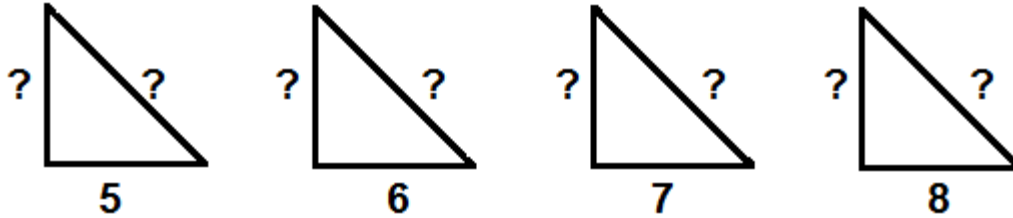


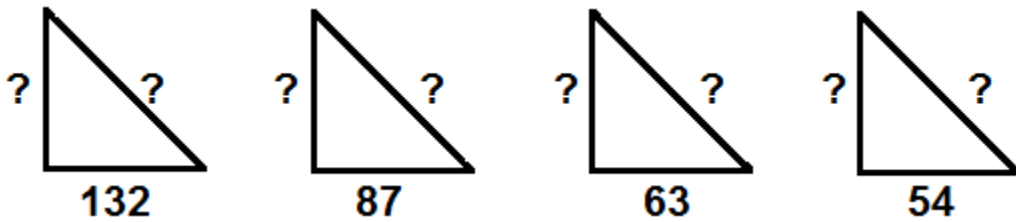
Given the **similar squares**, find the length of the diagonal (hypotenuse) using the Pythagorean Theorem. Mark the right angles and label the other angles with their measures.



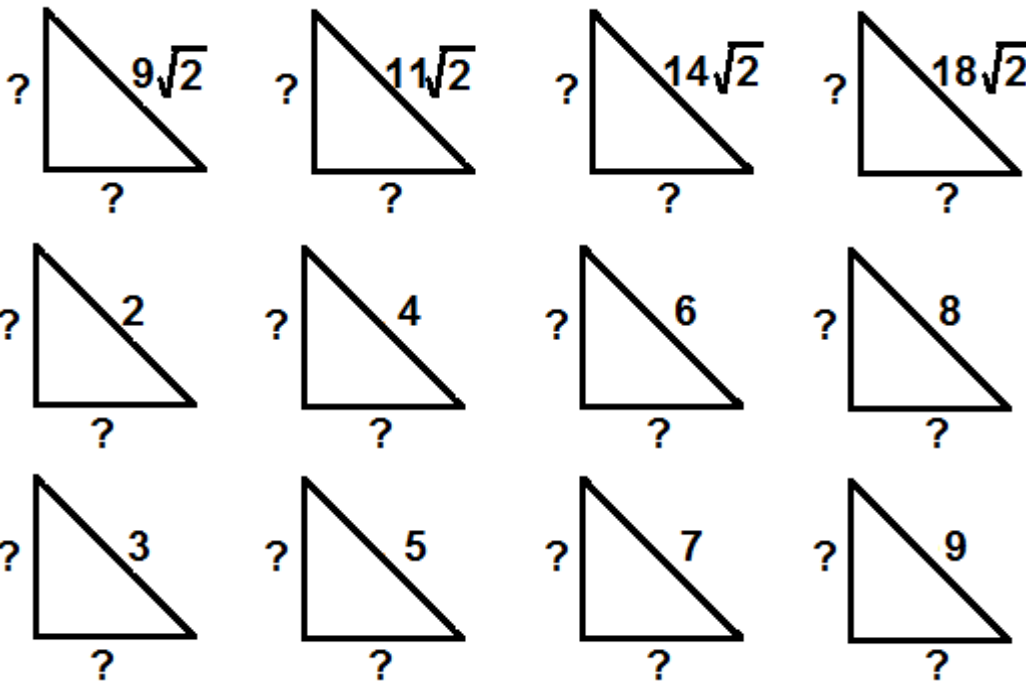
Given the **similar 45-45-90 triangles**, find the length of the missing side and the hypotenuse.



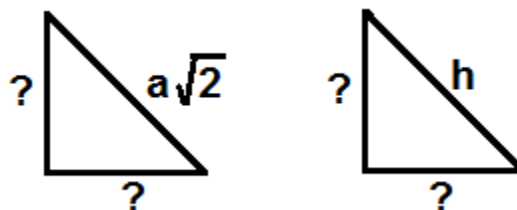
Without using the Pythagorean Theorem, label the missing sides of each **45-45-90 triangle**.



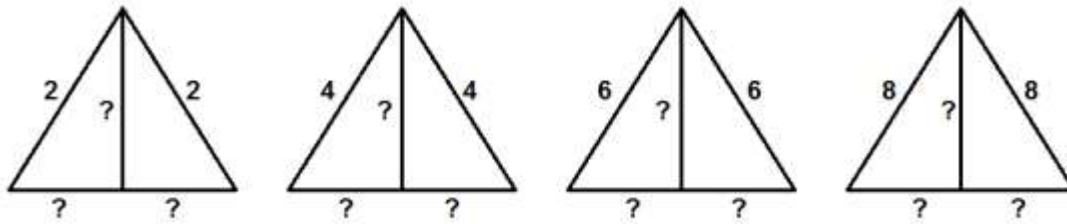
Given the hypotenuse of each **45-45-90 triangle**, label the length of the missing sides.



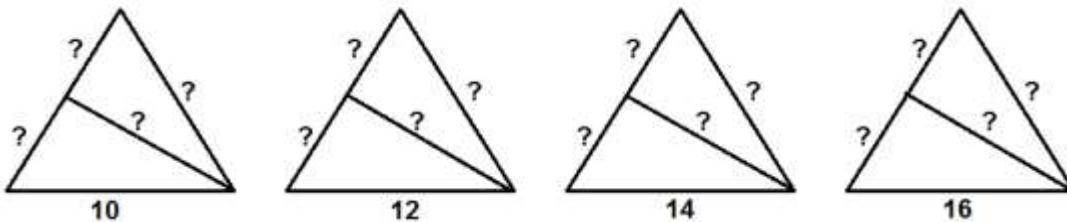
What is the pattern for 45-45-90 right triangles?



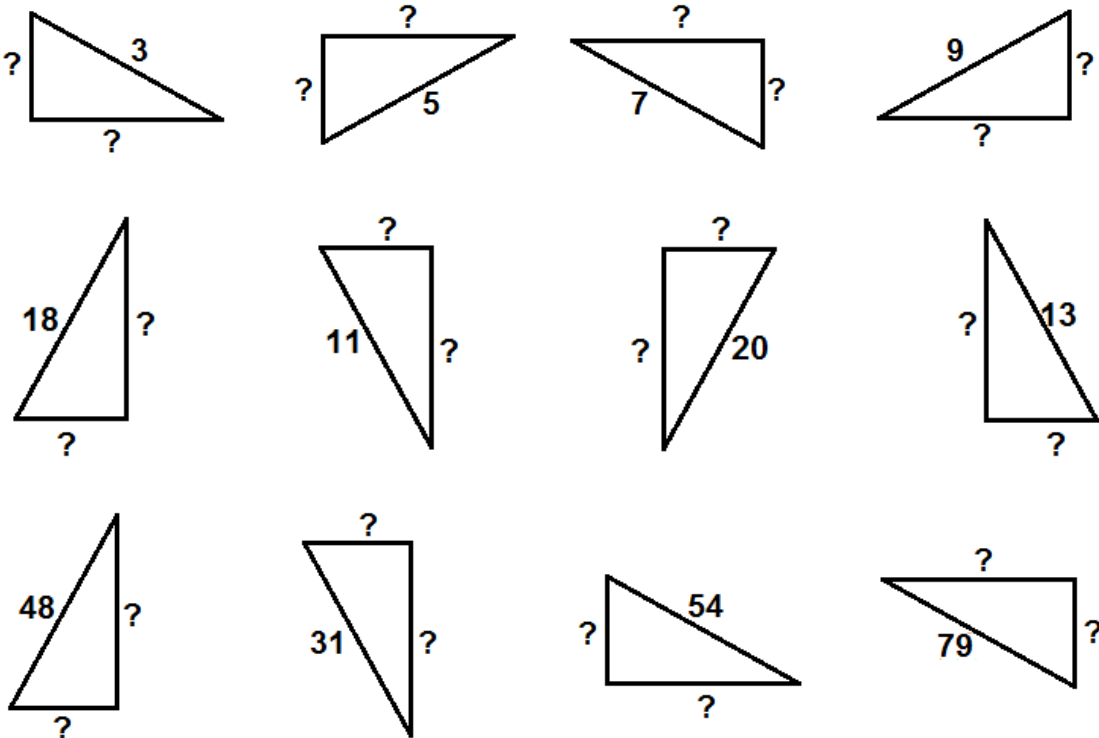
Given the **similar equilateral triangles** and the **altitude** from the vertex to the base, find the length of the short leg and the long leg of the right triangles. Mark the right angles and label the other angle measures.



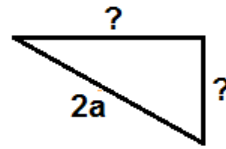
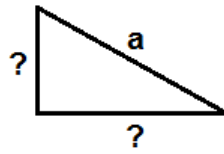
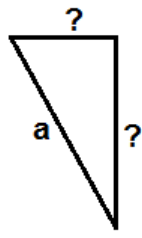
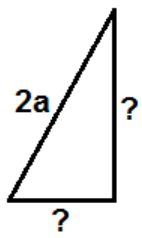
Given the **similar equilateral triangles** and the **altitude**, find the length of the missing legs & hypotenuses. Mark the right angles and label the other angle measures.



Given each **30-60-90 triangle**, mark the right angle and the measures of the other angles. Without using the Pythagorean Theorem, label the missing sides of each.



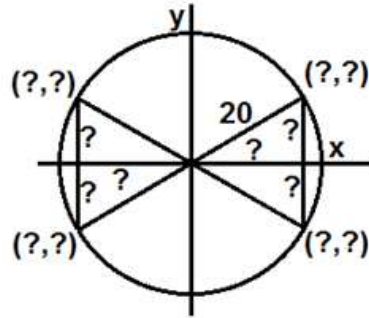
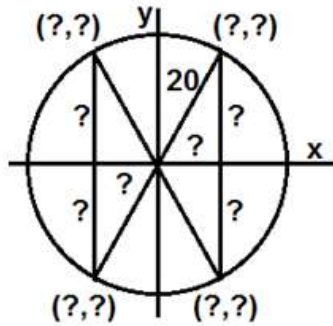
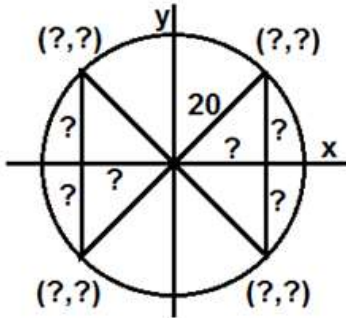
What is the pattern for 30-60-90 right triangles?



45-45-90 $r=20$

30-60-90 $r=20$

30-60-90 $r=20$



Write (x,y) coordinates of each point $(?,?)$ on the circle in the 4 quadrants.

QI

QI

QI

QII

QII

QII

QIII

QIII

QIII

QIV

QIV

QIV