

RIGHT TRIANGLES & PYTHAGOREAN THEOREM

1) Solve for the missing side:

a) $A = 2$
 $B = 2$
 $C = \underline{\hspace{2cm}}$

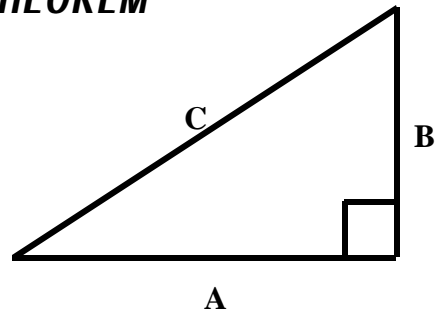
b) $A = 4$
 $B = 2$
 $C = \underline{\hspace{2cm}}$

c) $A = 4$
 $B = \underline{\hspace{2cm}}$
 $C = 5$

d) $A = 5$
 $B = \underline{\hspace{2cm}}$
 $C = 12$

e) $A = \underline{\hspace{2cm}}$
 $B = 6$
 $C = 25$

f) $A = \underline{\hspace{2cm}}$
 $B = 15$
 $C = 20$



2) Name two different Pythagorean triples (the two sides and the hypotenuse of a right triangle are integers). For example: $5^2 = 3^2 + 4^2$

3) Given the following triangles, which sides are adjacent to the given angle and which sides are opposite to the given angle? (Given angles are the marked non-right angles.)

