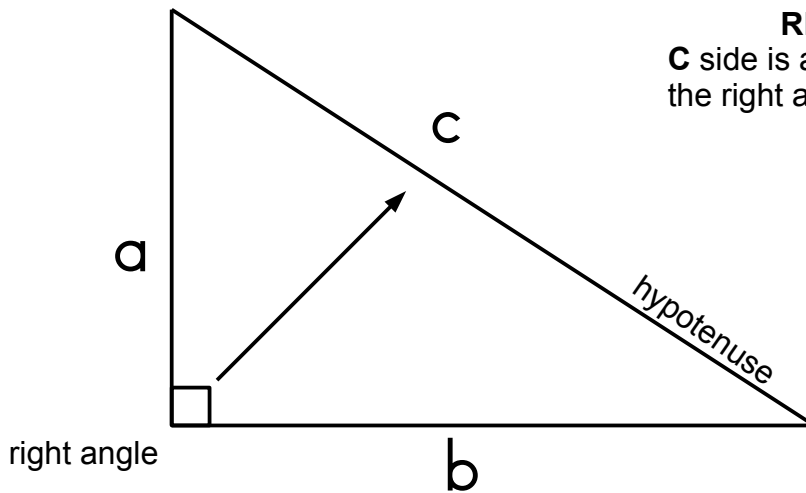


PYTHAGOREAN THEOREM – Example



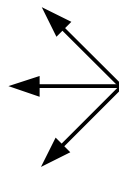
REMEMBER
C side is always opposite the
the right angle

Formulas

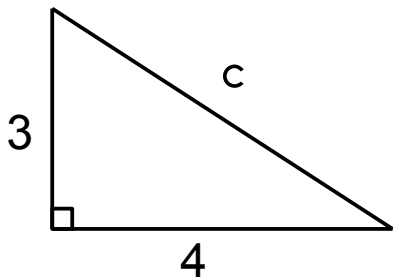
$$a^2 + b^2 = c^2$$

$$c^2 - a^2 = b^2$$

$$c^2 - b^2 = a^2$$



choose the formula to find the
specific side



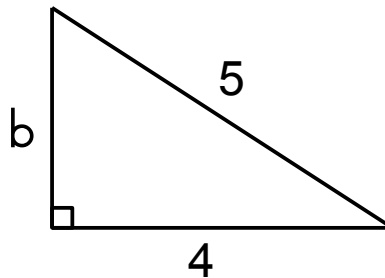
$$a^2 + b^2 = c^2$$

$$3^2 + 4^2 =$$

$$(3 \times 3) + (4 \times 4) =$$

$$9 + 16 = 25$$

$$\sqrt{25} = 5$$



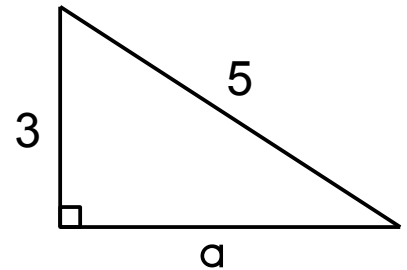
$$c^2 - a^2 = b^2$$

$$5^2 - 4^2 =$$

$$(5 \times 5) - (4 \times 4) =$$

$$25 - 16 = 9$$

$$\sqrt{9} = 3$$



$$c^2 - b^2 = a^2$$

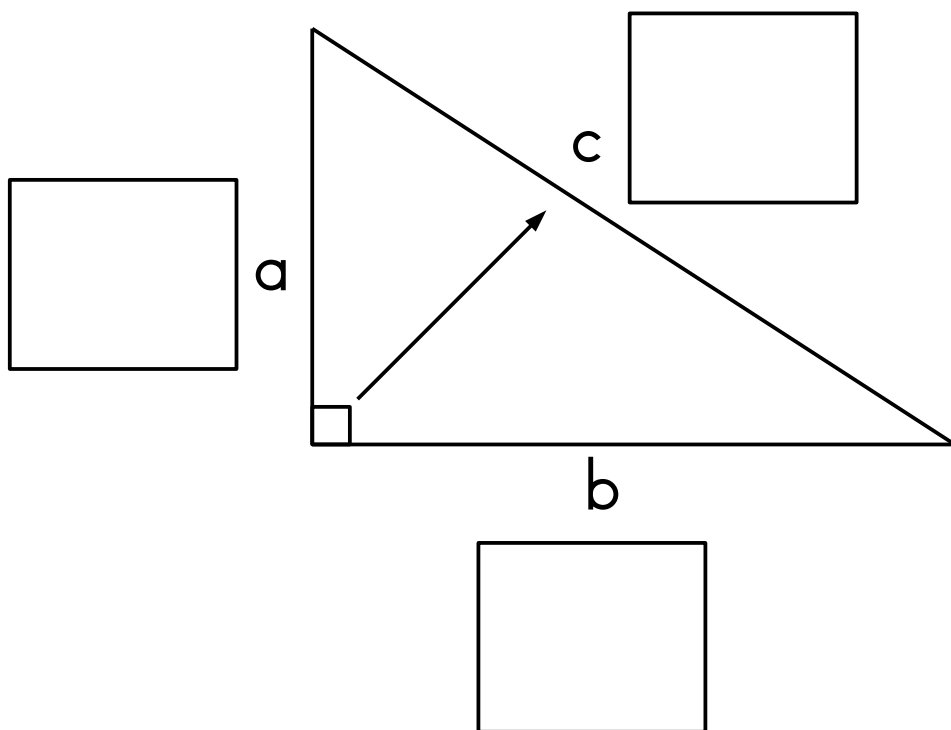
$$5^2 - 3^2 =$$

$$(5 \times 5) - (3 \times 3) =$$

$$25 - 9 = 16$$

$$\sqrt{16} = 4$$

PYTHAGOREAN THEOREM – TOOL



choose your
formula

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=

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$\sqrt{\quad}$

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