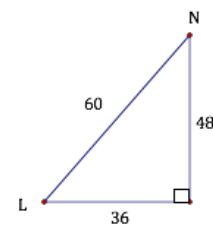ALG III

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Right Triangle Trig

Warm Up: Determine each trigonometric ratio.
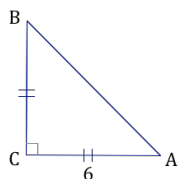
$\cos L$

$\sin N$

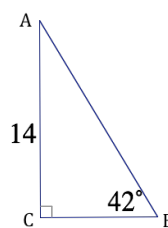$\tan L$

Ex #1:

Find the measures of all angles and lengths of all sides.
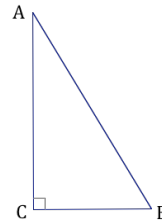
EX #2: Solve $\triangle ABC$

Ex #3

In right $\triangle PQR$, the hypotenuse, PR = 19 cm and leg, PQ = 10 cm.
Draw and correctly label right $\triangle$ PQR.

EX #4:

Given $\sin A = \dfrac{5}{13}$.

A

C

B

Find: $\cos A$

$\tan A$

Ex #5:

Given $\cos B = \dfrac{\sqrt{3}}{2}$

find the values of the remaining trig functions and $m\angle B$