10350 Special Angles - Sample Questions Set 14

(1) Referring to the right angle triangle below, write down the trigonometric ratios of angle A in terms of the length of the sides of the triangle.
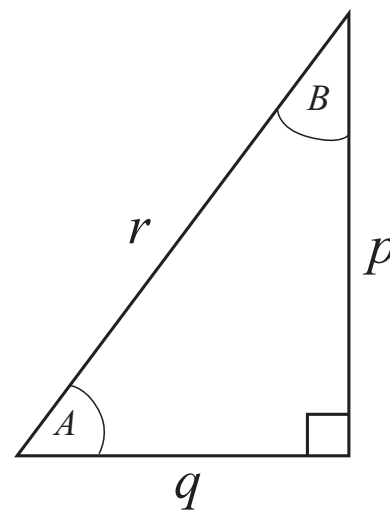
$\sin(A) \overset{?}{=}$

$\cos(A) \overset{?}{=}$

$\tan(A) \overset{?}{=}$

$\csc(A) \overset{?}{=}$

$\sec(A) \overset{?}{=}$

$\cot(A) \overset{?}{=}$

(2) What can you say about angles A and B in the right angle triangle in (1)?

(3) List the special (acute) angles in degrees and radians. Which of these are complement to each other?

(4) Draw appropriate triangles to determine the trigonometric ratios of the special angles. You should be able to reason out why the trigonometric ratios have such values using your triangles.