

Flash Cards: Sine, Cosine and Tangent

Directions: Answer the following.

1. Find the sine, cosine and tangent of angle A. Triangle has acute angles A and B, hypotenuse with length 12.81, leg adjacent to angle A with length 8 and leg adjacent to angle B with length 10.
2. Find the sine, cosine and tangent of angle B. Triangle has acute angles A and B, hypotenuse with length 12.81, leg adjacent to angle A with length 8 and leg adjacent to angle B with length 10.
3. Find the sine, cosine and tangent of angle X. Triangle has acute angles X and Y, hypotenuse with length 4, leg adjacent to angle X with length 2 and leg adjacent to angle Y with length 3.46.
4. Find the sine, cosine and tangent of angle Y. Triangle has acute angles X and Y, hypotenuse with length 4, leg adjacent to angle X with length 2 and leg adjacent to angle Y with length 3.46.

Answers:

1. Sine of A equals 10 divided by 12.81, cosine of A equals 8 divided by 12.81 and tangent of A equals 10 divided by 8.
2. Sine of B equals 8 divided by 12.81, cosine of B equals 10 divided by 12.81 and tangent of B equals 8 divided by 10.
3. Sine of X equals 3.46 divided by 4, cosine of X equals 2 divided by 4 and tangent of X equals 3.46 divided by 2.
4. Sine of Y equals 2 divided by 4, cosine of Y equals 3.46 divided by 4 and tangent of Y equals 2 divided by 3.46.