

Name _____ Score _____/10

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1. Express $\tan(x)$, $\cot(x)$, $\sec(x)$, and $\csc(x)$ in terms of $\sin(x)$ and $\cos(x)$

$$\tan(x) =$$

$$\cot(x) =$$

$$\sec(x) =$$

$$\csc(x) =$$

2. Write the double-angle identity for the sine, and cosine functions.

$$\sin(2x) =$$

$$\cos(2x) =$$

2. Complete each of the following Pythagorean identities.

$$\sin^2(x) =$$

$$\sec^2(x) =$$

3. Complete the following identities for negatives.

$$\sin(-x) =$$

$$\cos(-x) =$$