Trig Expressions: Matching A   Name: _____
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Match the trigonometric expression with its simplified answer.

1) $\dfrac{\tan^2 t + 1}{1 + \cot^2 t}$

2) $\dfrac{1}{\sec t - \tan t} - \dfrac{1}{\sec t + \tan t}$

3) $\sec t \ \tan t \ \cos t$

4) $\sin^2 t \ \cot t \ \csc t$

5) $\dfrac{1 - \cos^2 t}{\sin^2 t}$

6) $\dfrac{\tan^2 t}{1 - \sec^2 t}$

7) $\dfrac{1 - \cos^2 t}{1 + \cos t}$

8) $\dfrac{\cos^2 t}{1 - \cos^2 t}$

A) $\tan t$

B) -1

C) 1

D) $2 \tan t$

E) $\cos t$

F) $\tan^2 t$

G) $\cot^2 t$

H) $1 - \cos t$

Trig Expressions: Matching B   Name: _____
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Match the trigonometric expression with its simplified answer.

1) $\dfrac{\sec^2 t - 1}{\tan t}$

2) $\dfrac{\tan t + 1}{\sec t}$

3) $\dfrac{\cos^2 t - 1}{\sin^2 t - 1}$

4) $\dfrac{\sec t \tan t}{\tan^2 t + 1}$

5) $\dfrac{\sin^2 t \ \cot^2 t}{1 - \sin^2 t}$

6) $\dfrac{\cos^2 t - 1}{\cos^2 t \ \tan^2 t}$

7) $\cos t (\sec t - \cos t)$

8) $\cot t (\tan t + \cot t)$

A) $\csc^2 t$

B) -1

C) $\tan t$

D) $\tan^2 t$

E) 1

F) $\sin t + \cos t$

G) $\sin t$

H) $\sin^2 t$