**Pre-Calculus 12**

**Chapter 6 Test**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Nov. 16, 2021

 Mr. Formaran

**Section 6.1**

Simplify

1. tan $θ$ 2. sec $θ$ – sin $θ$ tan $θ$

 sec $θ$

**Section 6.2**

1. Determine the exact value of sin 2450

2. Simplify by writing sin 910 cos 310 – cos 910 sin 310 as a single trig function

**Section 6.3**

Prove:

sec $θ$ sin $θ$

tan $θ$ + cot $θ$

1 + cos $θ$

sin $θ$

 1. = csc $θ$ + cot $θ$ 2. = sin2 $θ$

**Section 4**

Find the value of $θ$

1. 1 – 2 cos $θ$ = 0 2. sec $θ$ csc $θ$ = csc $θ$