**Pre-Calculus 12**

**Chapter 6 Test**

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

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**Section 6.1**

Simplify

1. tan 2. sec – sin tan

sec

**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 sin

tan + cot

1 + cos

sin

1. = csc + cot 2. = sin2

**Section 4**

Find the value of

1. 1 – 2 cos = 0 2. sec csc = csc