

MATH 6 – QUIZ 8  
13 APRIL 2012

Name: \_\_\_\_\_

NO CALCULATORS

1. Sketch a relevant right triangle and compute  $\sin(\arctan x)$ .
2. Factor and simplify the following trigonometric expression. The “best” answer is one where the expression is a constant times a positive power of a trigonometric function, but there are multiple acceptable answers.

$$\frac{\cos^2 x + 1}{\cos^4 x - 1}$$