# MAT 126: Trigonometry
## Review for Final Exam

1. $\tan A = {}^{2}/_{9}$ A is in quadrant III
   $\sec B = {}^{-7}/_{4}$ B is in quadrant II

Give exact values (simplified fractional/radical form) for the following:

(a) $\sin A =$ _____ (b) $\sin B =$ _____

(c) $\cos A =$ _____ (d) $\cos B =$ _____

(e) $\cot A =$ _____ (f) $\tan B =$ _____

(g) $\sec A =$ _____ (h) $\csc B =$ _____

(i) $\cos (A + B) =$

(j) $\sin 2A =$

(k) $\tan {}^{A}/_{2}$

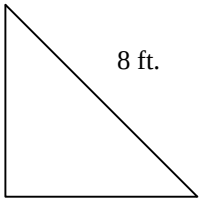
2. Convert the following:

(a) $18° =$ _____radians (b) $7\pi =$ _____degrees

(c) $58.27° =$ _____ degrees, minutes, ___0 Tc 04n0TT0 1 Tf-0.0003 Tc 0.2053 Tw ___

4. Solve the following triangles:

(a)




(b)