

Classwork 18
Precalculus MTH 130
Instructor: Abhijit Champanerkar

Name: _____

1. Rewrite the expression $\cos^4 x$ in first powers of cosine.

2. Verify the identity $(\sin x + \cos x)^2 = 1 + 2 \sin x \cos x$.

3. If $\sin t = 3/5$ and t is in the first quadrant, find $\sin(t/2)$, $\cos(t/2)$ and $\tan(t/2)$.