LAST NAME	FIRST NAME	DATE

1 (2 points). Find the exact value of $\cos(15°)$

2 (2 points). Find the exact value of $\sin\left(-\dfrac{\pi}{8}\right)$

3 (2 points). Find the exact value of $\tan(105°)$

4 (2 points). Without using inverse trig, find $\sin\left(\dfrac{\theta}{2}\right)$ if $\cos\theta = \dfrac{4}{9}$ and $-\pi/2 < \theta < 0$.

5 (2 points). Derive a formula for $\cos\left(\dfrac{\alpha}{4}\right)$ where $0 \leq \alpha \leq \dfrac{\pi}{2}$