## Mathematics 552

## Quiz \#5

Name:
(1) Give Euler's formula for $e^{i z}$.

$$
e^{i z}=
$$

(2) Give Euler's formulas for $\cos (z)$ and $\sin (z)$ in terms of $e^{i z}$.

$$
\begin{aligned}
& \cos (z)= \\
& \sin (z)=
\end{aligned}
$$

