Quiz 5 Form B
Oct 30, 2017

1. Let y_1 and y_2 be solutions of $ty'' + 2y' + cos(t)y = 0;\ t > 0$. Let $W(t)$ be the Wronskian of $y_1(t)$ and $y_2(t)$. Given that $W(1) = 5$, find $W(t)$.

$W(t) =$ _____

[10] 2.) Write $y = \sqrt{3}cos(5t) - sin(5t)$ in the form $y = Rcos(\omega t - \delta)$. Determine the period, phase, and amplitude.

$y=$ _____

period= _____, phase= _____, and amplitude= _____.