Macd-12 day sma,then 12 day ema.similary 26 day sma and ema.

Macd = 12 day ema-26 day ema

Signal = 9 day ema of macd.

Histogram=macd – signal

Bollinger band=first 20 day sma,std

Lower band = sma – 2 \*std

Upper =sma + 2 \* std

Ema=(closing price-previoys ema)\*multiplier + previos ema

Multiplier=2/(n+1)

For mfi take low high and close.typival price is average of all three.

Then profit with respect to previos typical price

And loss with respect to previos typical price

Mfr=( total profit with repsect to previous day/n)/(total loss wrt previous day/n)

Mfi=100-100/(1+mfr)

Williams=(highest high-close)/(highest high-lowest low)

For rsi take closing price

The profit wrt previos day

Loss wrt previos day

Rs=(Profit wrt/n)/(loss wrt/n)

Rsi=100-100/(1+rs)

Teynor measure=(portfolio returns-risk free returns)/beta(change)

Sharpe ratio=(portfolio return – risk free returns)/std

Capm(jensons measure)=rp-[rf + beta(rm-rf)]

Rp is portfolio return,rf risk free return,rm expected market return.ignore rp if not given