# Practical Problem Set 3 

January 28, 2018

Wolfson $20.65 ; 20.73 ; 20.79$
For 20.73, you may need

$$
\begin{equation*}
\int \frac{d t}{\left(x^{2}+t\right)^{3 / 2}}=-2\left(x^{2}+t\right)^{-1 / 2} \tag{1}
\end{equation*}
$$

or

$$
\begin{equation*}
\int \frac{x d x}{\left(x^{2}+a^{2}\right)^{3 / 2}}=-\left(x^{2}+a^{2}\right)^{-1 / 2} \tag{2}
\end{equation*}
$$

