## Correction to answer of problem 5b of the Review Problems

The problem is to evaluate

$$
\oint_{C} \frac{\cosh z}{z \sinh ^{2} z} d z
$$

where $C$ is the circle $|z-i|=4$ with positive orientation. On the answer wheet the residue at $z=0$ is incorrectly calculated. Since $\sinh z=z\left(1+\frac{1}{6} z^{2}+\ldots\right.$,

$$
\sinh ^{2} z=z^{2}\left(1+\frac{1}{3} z^{2}+\ldots\right)
$$

On the answer sheet the $1+\frac{1}{6} z^{2}+\ldots$ ) was not squared. Thus the residue at $z=0$ becomes $1 / 2-1 / 3=1 / 6$, not $1 / 2-1 / 6=1 / 3$ as stated.

