## Math 181 Quiz 8 Version A

1. State the following derivative rules from memory:
$\frac{d}{d x} \arccos x=\square$
 $\frac{d}{d x} \tan x=\square$ $\frac{d}{d x} \arcsin x=\square$
 $\frac{d}{d x} \cot x=\square$ $\frac{d}{d x} \arctan x=\square \quad \frac{d}{d x} \log _{10} x=\square \square$
2. Use the rules of calculus to compute the following derivatives:
(i) $\frac{d}{d x} \sec \left(x^{2}\right)$
(ii) $\frac{d}{d x} \frac{\arctan x}{x}$
