Name:_____

Math 121 Self-Assessment Quiz #3$B$ February 25, 2022

• Please see the course webpage for the answer key.

**1.** Compute $\int x^4 \arcsin x \; dx =$

**2.** Show that $\int_0^{\frac{\pi}{2}} \dfrac{\cos x}{\left(\sin^2 x + 1\right)^{\frac{7}{2}}} \; dx = \dfrac{43}{60\sqrt{2}}$

**3.** Compute $\int \dfrac{1}{\left(x^2+4\right)^2} \; dx =$