Quiz 4

Name: _____

Find the following antiderivatives:

1. $\int (z^3 - 4z^2 - 7z + 2)\, dz$

2. $\int \sqrt{y}\, dy$

3. $\int \sin(3\theta)\, d\theta$

4. $\int 2\cos(t/3)\, dt$

5. $\int \dfrac{dx}{1 + x^2}$

6. $\int e^{-x/7}\, dx$

7. $\int \dfrac{dp}{\sqrt{1 - p^2}}$

8. $\int \dfrac{d\alpha}{\alpha}$

9. $\int \dfrac{x^3 - 2x^2 + 1}{\sqrt{x}}$

10. $\int \sqrt{3 - 9v}\, dv$