MATH 426

7.3 4.
$$\int \frac{x^2}{4x^2} dx = \int \frac{x^2}{3-x} dx$$

2.4. $\int \frac{x^2}{4x^2} dx = \int \frac{x^2}{3-x} dx$

2.5. $\int \frac{1}{2x^2} dx = \int \frac{1}{2x^2} dx + \int \frac{1}{2x^2} dx = \int \frac$

MATH 426

26.
$$\int \frac{x^{2}}{(3+4x-4x^{2})^{3/2}} dx \qquad 3+(4x-4x^{2})$$

$$(3+4x-4x^{2})^{3/2} \qquad 3+4(x-x^{2})$$

$$(3+4x-4x^{2})^{3/2} \qquad 3+4(x-x^{2})$$

$$(3+4x-4x^{2})^{3/2} \qquad 3+4(x-x^{2})$$

$$(4x-x^{2})^{3/2} \qquad 3+4(x-x^{2})^{3/2}$$

$$(4x-x^{2})^{3/2} \qquad 4+4(x-x^{2})^{3/2}$$

$$(4x-x^{2})^{3/2} \qquad 4+4(x-x^{2})^{3/2$$

30.
$$\int \frac{\pi}{2} \frac{\cos t}{\sqrt{1+\sin^2 t}} dt = \int \frac{\cos t}{1+\sin t} dt$$

$$\cos^2 + \sin^2 = 1 \quad (\cos^2 = \frac{\pi}{4}) - \sin^2 dt$$

$$u = \sin x \quad dx = \frac{1}{\cos x} du$$

$$\int \sqrt{u^2 + 1} da$$