MATH 232 NAME:
15.9

Partial solutions for 1 2 3 15 17 19 23 16

Ignore #7

1. -6

2. $4u^2v + uv^2$

3. s

15. $\int_0^1 \int_0^{1-u} (-u - 5v) \cdot 3 \; dv \; du = -3$

16. $\int_{-4}^4 \int_0^8 (3v - 5u) \cdot \frac{1}{4} \; dv \; du = 192$

17. $\int_0^{2\pi} \int_0^1 24r^2 \cos(\theta) \; r \; dr \; d\theta = 6\pi$

19. $\int_1^3 \int_{\sqrt{u}}^{\sqrt{3u}} u \cdot \frac{1}{v} \; dv \; du = 2 \ln 3$

23. $\int_0^4 \int_1^8 \frac{u}{v} \cdot \frac{1}{5} \; dv \; du = \frac{8}{5} \ln 8$