

$$= -\frac{1}{4} \left(\frac{2}{3} u^{3/2} \right) \Big|_9^1$$

$$= -\frac{1}{6} u^{3/2} \Big|_9^1$$

$$= -\frac{1}{6} (1 - 27)$$

$$= \frac{13}{3}$$