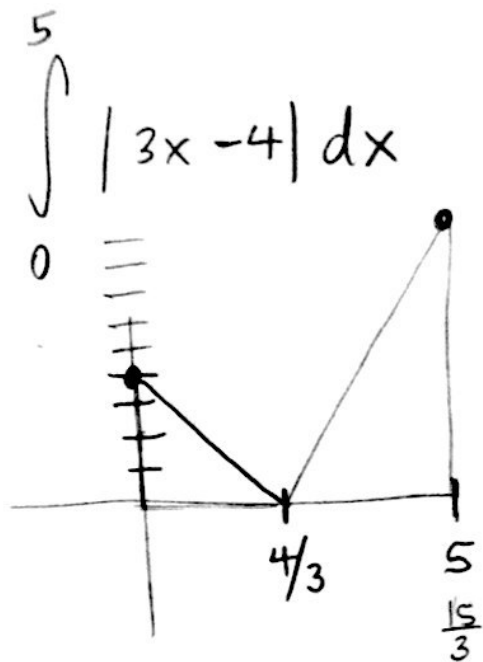


(6)
*



$$A = \frac{1}{2} \left(\frac{4}{3} \right) (4) \quad A = \frac{1}{2} \left(\frac{4}{3} \right) (11)$$
$$A = \frac{8}{3} \quad A = \frac{22}{3}$$
$$\frac{8}{3} + \frac{22}{3} = \frac{30}{3} = 10$$

OR

Piecewise:

$$\int_0^{4/3} (-3x+4) dx + \int_{4/3}^5 (3x-4) dx$$

$$-\frac{3x^2}{2} + 4x \Big|_0^{4/3} + \frac{3x^2}{2} - 4x \Big|_{4/3}^5$$

$$\left[-\frac{3\left(\frac{16}{9}\right)}{2} + 4\left(\frac{4}{3}\right) \right] - 0 + \left[\frac{75}{2} - 20 \right] - \left[\frac{3\left(\frac{16}{9}\right)}{2} - 4\left(\frac{4}{3}\right) \right]$$

$$\frac{8}{3} + \frac{35}{2} + \frac{8}{3}$$
$$= \frac{137}{6}$$