

## Change of coordinates

## Questions

**Question 1.** Let  $D$  be the region lying between the lines  $y = 2x + 1$ ,  $y = 2x + 4$ ,  $y = -3x + 1$ , and  $y = -3x + 4$ . Evaluate

$$\iint_D \frac{y - 2x}{y + 3x} dA$$