**Activity 1: Worked solutions**

# Practice question 1

**Step 1: Integrate each term.**

**Step 2: Apply definite limits.**

To find the area, we need to evaluate the integral at each limit, and , and find the difference.

At

At

This means that the integration calculation is:

# Practice question 2

**Step 1: Integrate each term.**

**Step 2: Apply definite limits.**

To find the area, we need to evaluate the integral at each limit, and , and find the difference.

At

At

This means that the integration calculation is: