

### Integration continued

Evaluate the following integrals. Use a graph to check that your answer is reasonable. Confirm your answer using fnInt on your calculator.

1.  $\int_3^5 \sqrt{2x+1} dx$

6.  $\int_1^4 \frac{5}{x^2} dx$

2.  $\int_5^7 \frac{1}{(2x-3)^2} dx$

7.  $\int_0^{\pi/3} \cos 3x dx$

3.  $\int_0^{\pi/3} 3 \sec^2\left(\frac{1}{2}x\right) dx$

8.  $\int_{-1}^3 e^{4x} dx$

4.  $\int_1^5 \frac{2}{3x-1} dx$

9.  $\int_0^4 2^{x+4} dx$

5.  $\int_1^4 \frac{3}{x} dx$

10.  $\int_1^6 \frac{4}{8x+2} dx$

**Do page 286 #1-12, 25-28**