

Name: \_\_\_\_\_

*Please take your time and answer each question clearly and carefully. For this quiz, you will not need a calculator. Do not use one.*

Compute each integral (anti-derivative). Your answer must include the unknown constant of integration,  $+C$ . Take care to use the correct method of the two we have just learned.

One of those methods uses the following formula:  $\int u dv = uv - \int v du$ .

1.  $\int 2x \cos(x^2 + 2) dx$

**TURN OVER**

2.  $\int 2x \cos(x + 2) dx$