Question 18 (8 marks)

Use the Floor Plan on page 20 to answer Question 18.

(a) Calculate the combined floor area of the dining and living rooms.   **3**

Dining room:

2600 × (3870 - 270) = 9.36 m
= 3600

Living room:

(1200 + 2500 + 2800) = 6500 mm   6.5m

(2100 + 1170 + 660) = 3930 mm   3.93

6.5 × 3.93 = 25.545 +
9.36
= 34.91 m

Question 18 continues on page 14

✳ Question 18 (continued)

(b) Using the costings table and floor plan, calculate the total cost of tiling the kitchen area prior to installing the kitchen cabinets. **5**

Tiles

$34.91 \div 3\text{m}^2 = 11.63666667$

$11.6366667 \times 90 = \$1047.30$

Adhesive

$0.8 \times 4 = 3.2\text{m}^2$

$34.91 \div 3.2 = 10.909375$

$10.909375 \times 35 = \$381.83$

Labour

$34.91 \times 55 = \$1920.05$

$1047.30 + 381.83 + 1920.05$

$= \$3349.18$

End of Question 18