**8:**

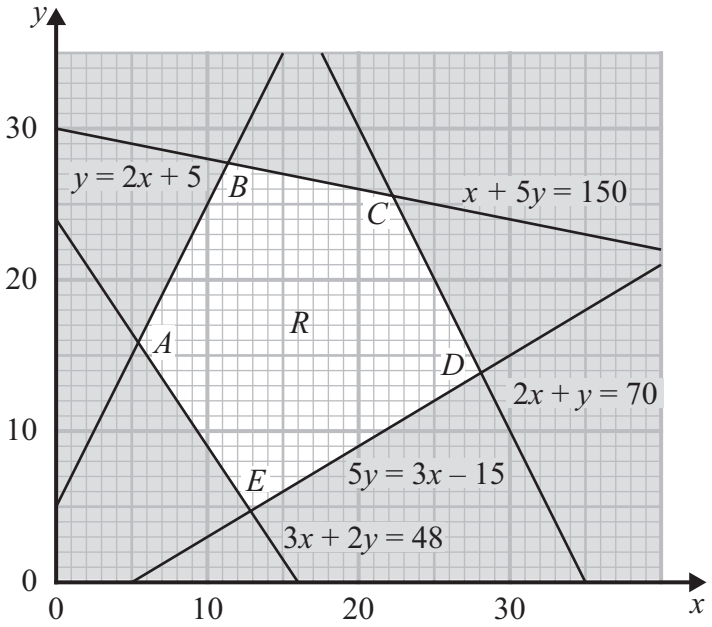



**Figure 4**

The feasible region, $R$, of a linear programming problem is shown in Figure 4.
The boundaries form part of the feasible region.
The regions excluded from the feasible region have been shaded.

Given that one of the constraints is

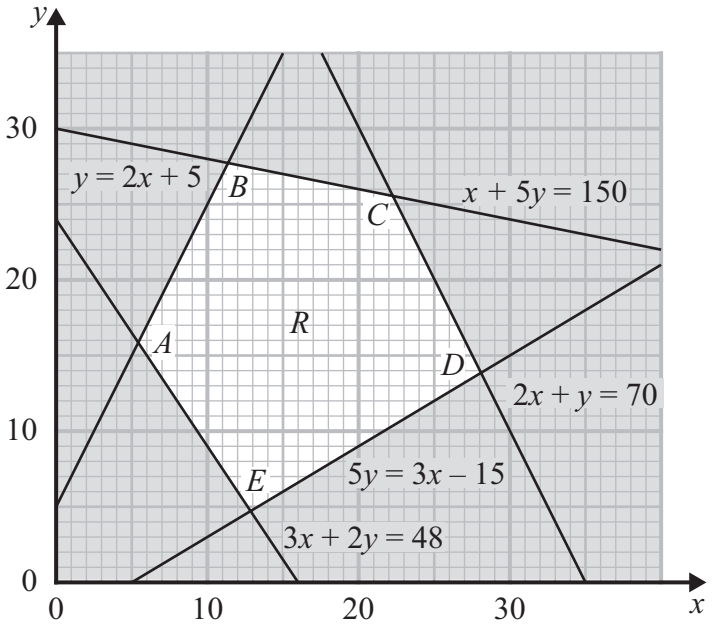
$$3x + 2y \geqslant 48$$

(a) state the remaining four constraints.

**(2)**

**Question 8 continues on page 11**

**8:**

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**Question 8 continued**

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**(Total for Question 8 is 10 marks)**

**TOTAL FOR PAPER IS 75 MARKS**

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