

- 1 Factorise completely.

$$2xy - 4yz$$

$$= 2y(x - 2z)$$

Answer $2y(x - 2z)$ [2]

For
Examiner's
Use

- 2 Make x the subject of the formula. $y = \frac{x}{3} + 5$

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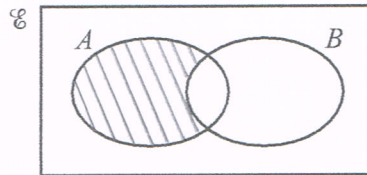
$$y - 5 = \frac{x}{3}$$

$$3(y - 5) = x$$

$$x = 3(y - 5)$$

Answer $x =$ $3(y - 5)$ [2]

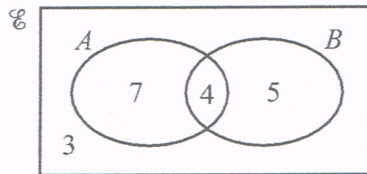
- 3 (a)



Shade the region $A \cap B'$.

[1]

- (b)



This Venn diagram shows the number of elements in each region.

Write down the value of $n(A \cup B')$.

$$n(A \cup B') = 3 + 7 + 4$$

$$= 14$$

Answer(b) $n(A \cup B') =$ 14 [1]