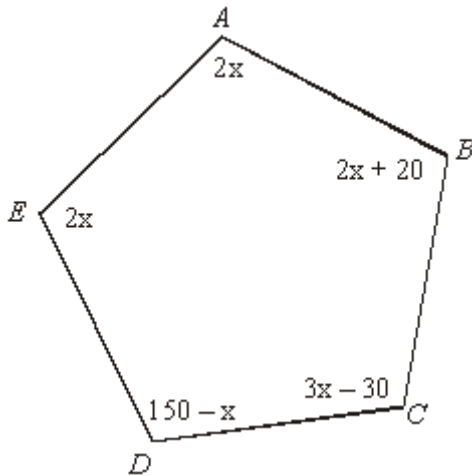


- Q1.** In the diagram all of the angles are in degrees.  
Find the size of angle  $CDE$ .

Diagram **NOT**  
accurately drawn



.....


**(Total 4 marks)**

- Q2.** A bag contains red, yellow and blue balls.

The probability of drawing a red ball at random is  $\frac{1}{2}$ .

The probability of drawing a yellow ball at random is  $x$ .  
The probability of drawing a blue ball at random is  $4x$ .

Work out the probability that a blue ball is selected.  
Give your answer as a numerical value.



.....

**(Total 3 marks)**

M1.

Working	Answer	Mark	Additional Guidance
$2x + 2x + 40 + 3x - 30 + 150 - x + 2x = 540$ $8x + 140 = 540$ $x = 50$	100°	4	<b>M1</b> $2x + 2x + 40 + 3x - 30 + 150 - x + 2x$ <b>M1</b> collects terms correctly <b>A1</b> $x = 50$ <b>A1</b> cao
<b>Total for Question: 4 marks</b>			

M2.

Working	Answer	Mark	Additional Guidance
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$$\frac{4}{10}$$

3

**Total for Question: 3 marks**

Resource currently unavailable.