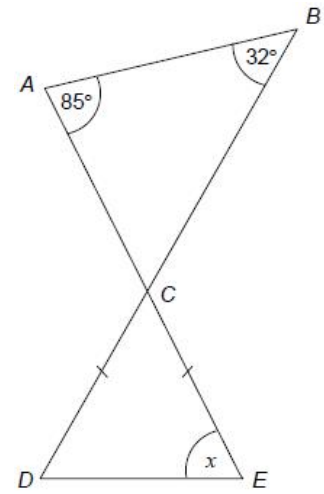
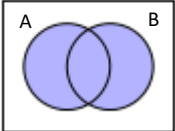
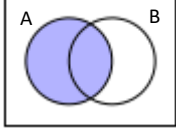
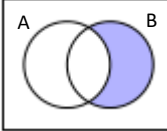


Interleaf 11

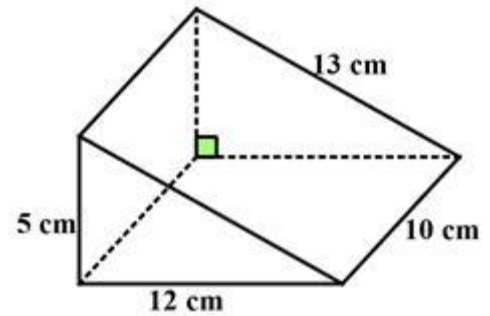
- 1) Calculate angle  $x$  in the diagram to the right
- 2) Calculate:
  - a)  $0.004 \times 0.81$
  - b)  $4.05 \div 6$
  - c)  $-10 + 2 \times -4$
- 3) Solve for  $x$ :
  - a)  $7x - 5 = 1$
  - b)  $2x - 5 = 6x + 11$
- 4) Using set notation, describe the shaded regions in the following Venn diagrams



- a) 
- b) 
- c) 

- 5) A bag contains 4 red, 5 yellow and 1 white ball.  
A ball is drawn at random, find the probability that it is:
  - a) red
  - b) yellow
  - c) green

- 6) Find the volume of the triangular prism to the right
- 7) Write 0.45 as a fraction in its lowest terms
- 8) A rectangle measure  $\frac{3}{8}$  cm by  $\frac{2}{3}$  cm
  - a) Find its area
  - b) Find its perimeter



Answers

- 1) 58.5    2a) 0.00324    b) 0.675    c) -18    3a)  $\frac{6}{7}$     b) -4    4a)  $A \cup B$     b)  $A$     c)  $A' \cap B$     5a)  $\frac{2}{5}$     b)  $\frac{1}{2}$     c) 0    6)  $300\text{cm}^3$     7)  $\frac{9}{20}$   
 8a)  $\frac{1}{4}\text{cm}^2$     b)  $2\frac{1}{12}\text{cm}$