

EXERCISE

VENN DIAGRAMS (3 SETS)

1 Shade the region on a three-set Venn diagram that shows each set:

- | | | | |
|------------|----------------------|-----------|----------------------|
| a i | $(A \cup B) \cup C$ | ii | $A \cup (B \cup C)$ |
| b i | $(A \cap B) \cap C$ | ii | $A \cap (B \cap C)$ |
| c i | $(A \cup C) \cap B$ | ii | $A \cup (C \cap B)$ |
| d i | $C \cap (A \cup B)$ | ii | $B \cup (C \cap A)$ |
| e i | $(A \cup B) \cup C'$ | ii | $A \cup (B \cup C')$ |
| f i | $(A \cap B') \cap C$ | ii | $A \cap (B' \cap C)$ |
| g i | $(A \cup C) \cap B'$ | ii | $A \cup (C \cap B')$ |

