

1. (1) $\{9, 1\}$
- (2) i. $\{-2, 6\}$
ii. $\{3, 5, 9, -2, 4, 8, 6\}$
iii. $\{3, 5, 9, 4, 8\}$
iv. \emptyset
- (3) i. $\{3, -1\}$
ii. $\{3, -1, 5, 7, 4, 8, 6\}$
iii. $\{3\}$
iv. $\{-1\}$
v. $\{5, 7, 4, 8, 6\}$
vi. $\{3, -1, 5, 7, 4, 8, 6\}$
vii. $\{3, 5, -1, 7, -2, 4, 8, 6\}$
viii. \emptyset
ix. $\{3\}$
- (4) i. $\frac{1}{2}$
ii. $\frac{1}{6}$
iii. $\frac{1}{6}$
iv. 0
v. $\frac{2}{3}$
vi. 0
vii. $\frac{1}{6}$
viii. $\frac{2}{3}$
ix. $\frac{1}{2}$

2. (1) \emptyset
- (2) i. $\{2\}$
ii. $\{-3, -1, 7, 2, 6\}$
iii. $\{-3, -1, 6\}$
iv. $\{7\}$
- (3) i. $\{3, 5, 4, 6\}$
ii. $\{3, 5, 7, 4, 6\}$
iii. $\{4, 6\}$
iv. $\{3, 5\}$
v. \emptyset
vi. \emptyset
vii. $\{3, 5, 7, 4, 6\}$
viii. \emptyset
ix. $\{3, 5, 9\}$
- (4) i. $\frac{1}{2}$

- ii. $\frac{1}{2}$
- iii. $\frac{1}{2}$
- iv. 0
- v. 1
- vi. 0
- vii. $\frac{3}{14}$
- viii. $\frac{5}{7}$
- ix. $\frac{1}{2}$

3. (1) {7}

- (2) i. \emptyset
- ii. {6, 1}
- iii. {6}
- iv. {1}
- (3) i. {-1, 0, 9, 1}
- ii. {5, -1, 0, 9, 4, 1}
- iii. {0, 1}
- iv. {5, 4}
- v. {5, 4}
- vi. {0, 1}
- vii. {-1, 0, 9, 1}
- viii. \emptyset
- ix. {5, 4}

- (4) i. $\frac{1}{2}$
- ii. 0
- iii. $\frac{3}{4}$
- iv. $\frac{1}{2}$
- v. $\frac{3}{4}$
- vi. $\frac{2}{3}$
- vii. $\frac{1}{6}$
- viii. $\frac{2}{3}$
- ix. $\frac{1}{2}$

4. (1) {5, 2, -2}

- (2) i. {-1, 2, 4, 6}
- ii. {-1, 5, 7, 2, 9, 4, -2, 8, 6, 1}
- iii. {5, 9, 8}

- iv. $\{7, -2, 1\}$
- (3) i. $\{5, 7, 2, 0, 9, 4, 8, 6\}$
- ii. $\{-3, 3, -1, 7, 2, 0, 9, -2, 1\}$
- iii. $\{2, 0\}$
- iv. $\{5, 0, 4, 8, 6\}$
- v. $\{-3, -1, -2\}$
- vi. $\{2, 0, 1\}$
- vii. $\{5, 7, 2, 0, 9, 4, 8, 6, 1\}$
- viii. $\{-3, -1, 2, 0, -2, 1\}$
- ix. $\{7, 2, 9\}$

- (4) i. $\frac{2}{5}$
- ii. $\frac{1}{5}$
- iii. $\frac{4}{5}$
- iv. $\frac{2}{5}$
- v. $\frac{4}{5}$
- vi. $\frac{1}{2}$
- vii. $\frac{1}{5}$
- viii. $\frac{7}{10}$
- ix. $\frac{2}{5}$

5. (1) $\{-2\}$

- (2) i. $\{3\}$
- ii. $\{3, -3, -1, 5, 0, 9, 4, -2, 8\}$
- iii. $\{9, 4, 8\}$
- iv. $\{-3, 5, -1, 0, -2\}$
- (3) i. $\{3, 2\}$
- ii. $\{3, 5, 7, 2, 9, -2, 4, 6\}$
- iii. $\{9, -2, 6\}$
- iv. $\{-3, -1, 2, 0, 8, 1\}$
- v. $\{-3, -1, 0, 8, 1\}$
- vi. $\{-3, -1, 0, 8, 1\}$
- vii. $\{3\}$
- viii. $\{3, 5, 7, 9, -2, 4, 6\}$
- ix. $\{3, -1, 7, 2, 0, -2, 1, 6, -3, 5, 9, 4, 8\}$

- (4) i. $\frac{3}{5}$
- ii. $\frac{1}{5}$
- iii. $\frac{4}{5}$
- iv. $\frac{2}{5}$

- v. 1
- vi. $\frac{1}{2}$
- vii. $\frac{3}{10}$
- viii. $\frac{4}{5}$
- ix. $\frac{3}{5}$