



Aufgabe A1

Fasse zusammen.

- | | | | |
|----|--|---|-------|
| a) | $3\sqrt{2} + 5\sqrt{2}$ | = | <hr/> |
| b) | $7\sqrt{5} - 3\sqrt{5}$ | = | <hr/> |
| c) | $3\sqrt{3} + 8\sqrt{3} - 2\sqrt{3}$ | = | <hr/> |
| d) | $4\sqrt{7} - 5\sqrt{7} + 8\sqrt{7} - 6\sqrt{7}$ | = | <hr/> |
| e) | $2\sqrt{13} + 8\sqrt{13} - 15\sqrt{13}$ | = | <hr/> |
| f) | $5\sqrt{10} - 3\sqrt{10} - (8\sqrt{10} + 4\sqrt{10})$ | = | <hr/> |
| g) | $4,2\sqrt{11} - 2,7\sqrt{11} + 0,2\sqrt{11} - \sqrt{11}$ | = | <hr/> |
| h) | $7\sqrt{a} + 4\sqrt{a} - 11\sqrt{a} + 3\sqrt{a}; (a \geq 0)$ | = | <hr/> |
| i) | $\frac{3}{2}\sqrt{2} + \frac{5}{6}\sqrt{2} - \frac{5}{24}\sqrt{2} - \frac{7}{8}\sqrt{2} + \frac{7}{4}\sqrt{2}$ | = | <hr/> |

Aufgabe A2

Fasse zusammen.

- | | | | |
|----|---|---|-------|
| a) | $3\sqrt{2} + 4\sqrt{2}$ | = | <hr/> |
| b) | $9\sqrt{3} - 7\sqrt{3}$ | = | <hr/> |
| c) | $12\sqrt{11} + 5\sqrt{11}$ | = | <hr/> |
| d) | $4\sqrt{6} + 3\sqrt{6} - 2\sqrt{6}$ | = | <hr/> |
| e) | $4\sqrt{x} + 3\sqrt{x}$ | = | <hr/> |
| f) | $14\sqrt{x} - 9\sqrt{x}$ | = | <hr/> |
| g) | $2\sqrt{a} - 3\sqrt{a} - \sqrt{a}; (a \geq 0)$ | = | <hr/> |
| h) | $3\sqrt{x} - 2\sqrt{x} + 4\sqrt{x}; (x \geq 0)$ | = | <hr/> |

Aufgabe A3

Fasse zusammen.

- | | | | |
|----|--|---|-------|
| a) | $2\sqrt{2} - 3\sqrt{3} + 5\sqrt{2} - 8\sqrt{3}$ | = | <hr/> |
| b) | $4\sqrt{5} + 8\sqrt{7} - 3\sqrt{5} + 4\sqrt{3} - 5\sqrt{7}$ | = | <hr/> |
| c) | $0,7\sqrt{a} + 1,3\sqrt{b} - 4,2\sqrt{a} - 2,4\sqrt{b} + 0,4\sqrt{a} - 1,3\sqrt{a}; (a; b \geq 0)$ | = | <hr/> |
| d) | $\frac{4}{5}\sqrt{11} + \frac{2}{3}\sqrt{3} - \frac{4}{15}\sqrt{11} + \frac{5}{6}\sqrt{3}$ | = | <hr/> |
| e) | $5\sqrt{15} - 15\sqrt{5} + 7\sqrt{13} - 8\sqrt{5} + 13\sqrt{13} - 2\sqrt{15}$ | = | <hr/> |