

解答

1. 三平方の定理 2

$$(1) \begin{aligned} x &= 2\sqrt{14} \\ S &= 8\sqrt{3} \end{aligned}$$

$$(2) \begin{aligned} x &= 7\sqrt{2} \\ S &= 7\sqrt{6} \end{aligned}$$

$$(3) \begin{aligned} x &= 3\sqrt{11} \\ S &= 11\sqrt{5} \end{aligned}$$

$$(4) \begin{aligned} x &= 2\sqrt{26} \\ S &= 7\sqrt{3} \end{aligned}$$

$$(5) \begin{aligned} x &= 3\sqrt{6} \\ S &= \frac{5}{2}\sqrt{29} \end{aligned}$$

$$(6) \begin{aligned} x &= 2\sqrt{22} \\ S &= \frac{15}{2}\sqrt{7} \end{aligned}$$

$$(7) \begin{aligned} x &= \sqrt{6} \\ S &= \frac{1}{2}\sqrt{30} \end{aligned}$$

$$(8) \begin{aligned} x &= \sqrt{23} \\ S &= \frac{3}{2}\sqrt{23} \end{aligned}$$

$$(9) \begin{aligned} x &= 2\sqrt{2} \\ S &= \sqrt{14} \end{aligned}$$

3. 三平方の定理 2

$$(1) \begin{aligned} x &= 3\sqrt{13} \\ S &= 7\sqrt{17} \end{aligned}$$

$$(2) \begin{aligned} x &= 3\sqrt{7} \\ S &= 9\sqrt{3} \end{aligned}$$

$$(3) \begin{aligned} x &= 2\sqrt{22} \\ S &= 6\sqrt{13} \end{aligned}$$

$$(4) \begin{aligned} x &= 2\sqrt{11} \\ S &= 6\sqrt{2} \end{aligned}$$

$$(5) \begin{aligned} x &= 3\sqrt{6} \\ S &= 4\sqrt{11} \end{aligned}$$

$$(6) \begin{aligned} x &= 2\sqrt{22} \\ S &= 12\sqrt{2} \end{aligned}$$

$$(7) \begin{aligned} x &= \sqrt{5} \\ S &= \sqrt{10} \end{aligned}$$

$$(8) \begin{aligned} x &= \sqrt{6} \\ S &= 3\sqrt{11} \end{aligned}$$

$$(9) \begin{aligned} x &= \sqrt{22} \\ S &= \frac{11}{2}\sqrt{14} \end{aligned}$$

5. 三平方の定理 2

$$(1) \begin{aligned} x &= 3\sqrt{10} \\ S &= 10\sqrt{2} \end{aligned}$$

$$(2) \begin{aligned} x &= 2\sqrt{21} \\ S &= \frac{21}{2}\sqrt{3} \end{aligned}$$

$$(3) \begin{aligned} x &= 4\sqrt{2} \\ S &= \frac{3}{2}\sqrt{23} \end{aligned}$$

$$(4) \begin{aligned} x &= 2\sqrt{19} \\ S &= 3\sqrt{33} \end{aligned}$$

$$(5) \begin{aligned} x &= 6\sqrt{3} \\ S &= \frac{15}{2}\sqrt{11} \end{aligned}$$

$$(6) \begin{aligned} x &= 5\sqrt{2} \\ S &= 5\sqrt{6} \end{aligned}$$

$$(7) \begin{aligned} x &= 5 \\ S &= \frac{15}{2}\sqrt{2} \end{aligned}$$

$$(8) \begin{aligned} x &= 2\sqrt{2} \\ S &= 2\sqrt{11} \end{aligned}$$

$$(9) \begin{aligned} x &= 6 \\ S &= 9\sqrt{3} \end{aligned}$$

7. 三平方の定理 2

$$(1) \begin{aligned} x &= 2\sqrt{30} \\ S &= 9\sqrt{11} \end{aligned}$$

$$(2) \begin{aligned} x &= 7\sqrt{2} \\ S &= \frac{9}{2}\sqrt{17} \end{aligned}$$

$$(3) \begin{aligned} x &= 3\sqrt{6} \\ S &= \frac{5}{2}\sqrt{29} \end{aligned}$$

$$(4) \begin{aligned} x &= 3\sqrt{13} \\ S &= 5\sqrt{17} \end{aligned}$$

$$(5) \begin{aligned} x &= 2\sqrt{29} \\ S &= 8\sqrt{13} \end{aligned}$$

$$(6) \begin{aligned} x &= 2\sqrt{23} \\ S &= 6\sqrt{14} \end{aligned}$$

$$(7) \begin{aligned} x &= 4 \\ S &= 6\sqrt{5} \end{aligned}$$

$$(8) \begin{aligned} x &= \sqrt{6} \\ S &= 3\sqrt{6} \end{aligned}$$

$$(9) \begin{aligned} x &= \sqrt{15} \\ S &= \sqrt{30} \end{aligned}$$

2. 三平方の定理 2

$$(1) \begin{aligned} x &= 3\sqrt{2} \\ S &= \sqrt{14} \end{aligned}$$

$$(2) \begin{aligned} x &= 6\sqrt{3} \\ S &= 4\sqrt{23} \end{aligned}$$

$$(3) \begin{aligned} x &= 3\sqrt{11} \\ S &= \frac{35}{2}\sqrt{2} \end{aligned}$$

$$(4) \begin{aligned} x &= 2\sqrt{11} \\ S &= 4\sqrt{7} \end{aligned}$$

$$(5) \begin{aligned} x &= 3\sqrt{10} \\ S &= 10\sqrt{5} \end{aligned}$$

$$(6) \begin{aligned} x &= 7\sqrt{2} \\ S &= 14\sqrt{3} \end{aligned}$$

$$(7) \begin{aligned} x &= 6\sqrt{2} \\ S &= 6\sqrt{10} \end{aligned}$$

$$(8) \begin{aligned} x &= \sqrt{11} \\ S &= \sqrt{11} \end{aligned}$$

$$(9) \begin{aligned} x &= 2\sqrt{3} \\ S &= 3\sqrt{13} \end{aligned}$$

4. 三平方の定理 2

$$(1) \begin{aligned} x &= 3\sqrt{10} \\ S &= 5\sqrt{14} \end{aligned}$$

$$(2) \begin{aligned} x &= 3\sqrt{5} \\ S &= 5\sqrt{5} \end{aligned}$$

$$(3) \begin{aligned} x &= 2\sqrt{7} \\ S &= \frac{5}{2}\sqrt{3} \end{aligned}$$

$$(4) \begin{aligned} x &= 2\sqrt{22} \\ S &= 8\sqrt{7} \end{aligned}$$

$$(5) \begin{aligned} x &= 3\sqrt{3} \\ S &= \sqrt{23} \end{aligned}$$

$$(6) \begin{aligned} x &= 2\sqrt{30} \\ S &= 8\sqrt{11} \end{aligned}$$

$$(7) \begin{aligned} x &= 4\sqrt{2} \\ S &= 10\sqrt{2} \end{aligned}$$

$$(8) \begin{aligned} x &= \sqrt{3} \\ S &= \frac{1}{2}\sqrt{21} \end{aligned}$$

$$(9) \begin{aligned} x &= 3 \\ S &= 3\sqrt{2} \end{aligned}$$

6. 三平方の定理 2

$$(1) \begin{aligned} x &= 2\sqrt{14} \\ S &= 3\sqrt{19} \end{aligned}$$

$$(2) \begin{aligned} x &= 2\sqrt{14} \\ S &= 6\sqrt{5} \end{aligned}$$

$$(3) \begin{aligned} x &= 2\sqrt{22} \\ S &= 8\sqrt{6} \end{aligned}$$

$$(4) \begin{aligned} x &= 3\sqrt{10} \\ S &= 4\sqrt{29} \end{aligned}$$

$$(5) \begin{aligned} x &= 2\sqrt{30} \\ S &= 8\sqrt{11} \end{aligned}$$

$$(6) \begin{aligned} x &= 3\sqrt{7} \\ S &= 6\sqrt{5} \end{aligned}$$

$$(7) \begin{aligned} x &= 3\sqrt{3} \\ S &= 3\sqrt{21} \end{aligned}$$

$$(8) \begin{aligned} x &= \frac{5}{2} \\ S &= \frac{5}{2}\sqrt{21} \end{aligned}$$

$$(9) \begin{aligned} x &= 8 \\ S &= 4\sqrt{22} \end{aligned}$$

8. 三平方の定理 2

$$(1) \begin{aligned} x &= 3\sqrt{6} \\ S &= 2\sqrt{23} \end{aligned}$$

$$(2) \begin{aligned} x &= 5\sqrt{3} \\ S &= \frac{9}{2}\sqrt{14} \end{aligned}$$

$$(3) \begin{aligned} x &= 2\sqrt{15} \\ S &= \frac{7}{2}\sqrt{11} \end{aligned}$$

$$(4) \begin{aligned} x &= 2\sqrt{30} \\ S &= 20\sqrt{2} \end{aligned}$$

$$(5) \begin{aligned} x &= 3\sqrt{6} \\ S &= \frac{5}{2}\sqrt{29} \end{aligned}$$

$$(6) \begin{aligned} x &= 2\sqrt{7} \\ S &= \frac{5}{2}\sqrt{3} \end{aligned}$$

$$(7) \begin{aligned} x &= \sqrt{2} \\ S &= \sqrt{14} \end{aligned}$$

$$(8) \begin{aligned} x &= \frac{5}{2} \\ S &= \frac{5}{2}\sqrt{23} \end{aligned}$$

$$(9) \begin{aligned} x &= \frac{3}{2} \\ S &= \frac{9}{2}\sqrt{2} \end{aligned}$$