

I. 삼각비

1 삼각비

- 본책 8~11쪽** 01 ③ 02 $\frac{3\sqrt{5}}{5}$ 03 4
- 04 $\frac{2\sqrt{7}}{21}$ 05 $\frac{5}{13}$ 06 $\frac{3}{10}$ 07 ④ 08 (L)
- 09 $\frac{7}{5}$ 10 ③ 11 $\frac{11}{9}$ 12 ② 13 ⑤
- 14 $\sqrt{3}$ 15 $9\sqrt{2}$ 16 $2-\sqrt{3}$ 17 $y=\sqrt{3}x+6\sqrt{3}$
- 18 ③ 19 -3 20 ⑤ 21 83° 22 55.056
- 본책 12~16쪽** 01 $\frac{4}{5}$ 02 ③ 03 ③
- 04 ② 05 $\frac{2\sqrt{2}}{3}$ 06 $\frac{\sqrt{3}}{3}$ 07 ② 08 $8-4\sqrt{2}$
- 09 24 10 $1-\frac{4\sqrt{5}}{9}$ 11 ④ 12 ④
- 13 $\frac{6\sqrt{21}}{5}$ 14 ⑤ 15 $\frac{2\sqrt{10}}{5}$ 16 ④ 17 $\frac{7}{5}$
- 18 ①, ③ 19 $\frac{1}{4}$ 20 $\frac{5}{2}$ 21 ① 22 ②
- 23 $6(\sqrt{3}+1)$ cm 24 ② 25 ④ 26 ③
- 27 ⑤ 28 4.663 29 1.4272 30 (1) 47° (2) 1.8038
- 본책 17쪽** 01 $\frac{1+\sqrt{5}}{4}$ 02 $\frac{5\sqrt{3}}{9}$ 03 ①
- 04 $96\pi-72\sqrt{3}$ 05 ⑤

2 삼각비의 활용

- 본책 18~20쪽** 01 7 02 $360\sqrt{3}$ cm³
- 03 30.45 m 04 $3\sqrt{7}$ 05 ③ 06 $4(\sqrt{3}-1)$
- 07 $4\sqrt{3}$ 08 $75(3+\sqrt{3})$ m 09 $\frac{15}{2}$ cm² 10 135°
- 11 ② 12 $15\sqrt{3}$ 13 ④ 14 ⑤ 15 $\frac{25\sqrt{3}}{2}$
- 16 $60\sqrt{6}$ 17 ③
- 본책 21~24쪽** 01 ② 02 $(6\sqrt{2}+2\sqrt{6})$ cm
- 03 $\frac{4\sqrt{3}}{3}$ 04 ③ 05 8 06 ⑤ 07 $\sqrt{29}$ cm
- 08 $\sqrt{2}$ cm 09 ② 10 ③ 11 $2(3-\sqrt{3})$ m
- 12 ② 13 $25(\sqrt{3}+1)$ 14 ② 15 2
- 16 ③ 17 $\frac{3}{2}$ 18 588 19 ④ 20 $10+\sqrt{13}$
- 21 $25\sqrt{3}$ 22 ③ 23 $4\sqrt{3}$ 24 ①
- 25 $75(\pi-\sqrt{3})$ cm² 26 ④

- 본책 25쪽** 01 ② 02 $\frac{4\sqrt{3}}{3}$ 03 $\frac{2\sqrt{5}}{5}$
- 04 $24\sqrt{2}-12\sqrt{6}$ 05 $600\sqrt{3}-200\pi$ 06 ①

- 본책 26~29쪽** 01 ⑤ 02 ③ 03 ③
- 04 ③ 05 ④ 06 ② 07 ⑤ 08 ①
- 09 ② 10 ④ 11 ③ 12 ④ 13 ⑤
- 14 ④ 15 $\frac{4\sqrt{5}}{3}$ 16 $18+5\sqrt{3}$ 17 11.874
- 18 60 m 19 60° 20 $20\sqrt{2}$ cm²

- 본책 30~33쪽** 01 ② 02 ④ 03 ⑤
- 04 ⑤ 05 ⑤ 06 ② 07 ② 08 ④
- 09 ③ 10 ③ 11 ② 12 ⑤ 13 ③
- 14 ④ 15 $\frac{8}{17}$ 16 $6\sqrt{2}+4\sqrt{6}$ 17 157 m
- 18 $3\sqrt{3}$ cm² 19 $4\sqrt{3}$ 20 $\frac{99\sqrt{3}}{4}$

- 본책 34~35쪽**
- 유제 1 1.1184 유제 2 $\frac{4}{3}-\frac{2\sqrt{3}}{3}$
- 유제 3 $40\sqrt{3}$ m 유제 4 $\frac{80\sqrt{3}}{3}$ m/s

II. 원의 성질

1 원과 직선

- 본책 38~40쪽** 01 8 cm 02 $16\sqrt{2}$ cm
- 03 ② 04 $6\sqrt{2}$ cm 05 48 cm² 06 55°
- 07 $16\sqrt{3}$ cm² 08 ③ 09 $12(3+\sqrt{3})$ cm
- 10 3 cm 11 ③ 12 78 cm² 13 6 cm 14 14 cm
- 15 2 16 5 cm 17 4 cm 18 ②
- 본책 41~44쪽** 01 ③ 02 ③
- 03 $4\sqrt{3}\pi$ cm 04 ② 05 $4\pi-\sqrt{3}$
- 06 $4\sqrt{3}+\frac{4}{3}\pi$ 07 ③ 08 8 cm 09 40°
- 10 ③ 11 ③ 12 $3(3\sqrt{3}-\pi)$ cm² 13 ④
- 14 ③ 15 249 16 ③ 17 $\sqrt{3}-1$ 18 $\sqrt{7}$
- 19 $12\sqrt{3}+18$ 20 $6+3\sqrt{2}-\sqrt{6}$ 21 ①
- 22 24π cm² 23 ③ 24 ①
- 본책 45쪽** 01 ② 02 4 03 $\frac{2\sqrt{3}}{3}r$
- 04 ⑤ 05 9 cm² 06 $18+(6\sqrt{5}-18)\pi$

2 원주각

본책 46~48쪽 01 18° 02 ③ 03 16°

04 62° 05 $\frac{3}{5}$ 06 ① 07 8 cm 08 54°

09 ④, ⑤ 10 15° 11 100° 12 18° 13 82°

14 57° 15 48° 16 ③ 17 ②

본책 49~52쪽 01 68° 02 ③ 03 ④

04 60° 05 3π 06 ⑤ 07 24 08 ④

09 $\frac{7}{5}$ 10 16 cm 11 ④ 12 ② 13 ④

14 ② 15 148° 16 20° 17 ③ 18 42°

19 ⑤ 20 96° 21 6 22 $\frac{\sqrt{3}}{3}$ 23 ④

24 85°

본책 53쪽 01 14 02 ③

03 $(1+\sqrt{5})$ cm 04 115° 05 ④ 06 $2\sqrt{6}$

본책 54~57쪽 01 ② 02 ④ 03 ③

04 ⑤ 05 ③ 06 ⑤ 07 ③ 08 ⑤

09 ③ 10 ① 11 ⑤ 12 ③ 13 ③

14 ⑤ 15 $6\sqrt{2}$ cm 16 6 cm 17 5 cm

18 17° 19 265° 20 5π

본책 58~61쪽 01 ④ 02 ① 03 ③

04 ⑤ 05 ⑤ 06 ③ 07 ⑤ 08 ④

09 ④ 10 ③ 11 ③ 12 ③ 13 ②

14 ④ 15 16π cm² 16 $8\sqrt{3}\pi$ cm

17 $(110-25\pi)$ cm² 18 36π 19 127.5° 20 59°

본책 62쪽

유제 1 $(48\pi+108\sqrt{3})$ m²

III. 통계

1 대푯값과 산포도

본책 64~65쪽 01 95점 02 26회 03 ⑤

04 86 05 ②, ④ 06 6점 07 4.8 08 ③

09 4반 10 ④

본책 66~67쪽 01 ② 02 ③ 03 252

04 (L), (c) 05 81, 123 06 ② 07 ②

08 ⑤ 09 2 10 $\sqrt{17}$ 점 11 A 모둠 12 ③

13 풀이 55쪽

본책 68쪽 01 56 02 ③ 03 ①

04 ③ 05 C, E 06 113

2 상관관계

본책 70~71쪽 01 ④ 02 40% 03 ③

04 9명 05 ②, ⑤ 06 ④ 07 ④

본책 72~73쪽 01 ③, ④ 02 20점 03 ④

04 25% 05 2명 06 160점 07 ④ 08 (a), (c)

09 ③ 10 (1) 상관관계가 없다. (2) 양의 상관관계

본책 74쪽 01 ⑤ 02 20 03 14시간

04 ③ 05 C, B

본책 76~77쪽 01 ② 02 ⑤ 03 ⑤

04 ⑤ 05 ② 06 ④ 07 ④ 08 3

09 77점 10 (1) 60% (2) 7.5점

본책 78~79쪽 01 ⑤ 02 ③ 03 ④

04 ③ 05 ④ 06 ③ 07 ③, ④ 08 $2\sqrt{2}$

09 10 10 120

본책 80~81쪽

유제 1 20 g, 23 g, 24 g, 26 g, 32 g

유제 2 B 팀