

C) $25\pi \text{ cm}^2$

D) $100\pi \text{ cm}^2$

Q17. [Circle — Sector Area] ★ Hard

■ $SECTOR \text{ AREA} = (\text{angle}/360) \times \pi \times r^2$

A circle has radius 6 cm. A sector has central angle 60° . Find sector area (in terms of π).

A) $\pi \text{ cm}^2$

B) $3\pi \text{ cm}^2$

C) $6\pi \text{ cm}^2$

D) $12\pi \text{ cm}^2$

Q18. [Similar Triangles] ★ Hard

■ $AREA \text{ RATIO} = (\text{side ratio})^2$ | square the ratio, don't just multiply!

Similar triangles have sides in ratio 2:5. Smaller area = 8 cm^2 . Find the larger area.

A) 20 cm^2

B) 32 cm^2

C) 50 cm^2

D) 80 cm^2

Q19. [Rectangle] ■ Medium

■ $PERIMETER = 2(l + w)$ | find length first, then $Area = l \times w$

A rectangle has perimeter 36 cm and width 7 cm. What is its area?

A) 77 cm^2

B) 98 cm^2

C) 154 cm^2

D) 63 cm^2

Q20. [Circle — Inscribed Angle] ★ Hard

■ $INSCRIBED \text{ ANGLE} = (1/2) \times \text{central angle}$ | vertex ON circle = half the central

A central angle measures 120° . What is the inscribed angle intercepting the same arc?

A) 240°

B) 120°

C) 60°

D) 30°

ANSWER KEY

Circle the answers you got wrong and review the Memory Keys above.

Algebra 1	Q1: B	Q2: C	Q3: A	Q4: A	Q5: B
	Q6: C	Q7: B	Q8: D	Q9: B	Q10: C
Geometry	Q11: B	Q12: A	Q13: B	Q14: B	Q15: C
	Q16: C	Q17: C	Q18: C	Q19: A	Q20: C