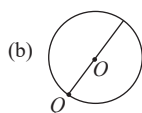
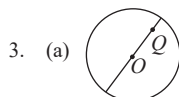


CHAPTER 5 CIRCLES

SELF PRACTICE 5.1

- (i) centre of circle
(ii) diameter
(iii) minor sector
(iv) radius
(v) minor arc
(vi) chord
(vii) minor segment

2. Student answer



4. Student answer

5. Student answer

SELF PRACTICE 5.2

- $KL = 24$ cm
- $KOM = 45$ cm

SELF PRACTICE 5.3

- (a) 44.00 cm (b) 352.00 cm
(c) 28.91 cm (d) 308.00 mm
- (a) 7.80 cm (b) 3.90 cm
- (a) 1 386.00 m² (b) 9 856.00 mm²
(c) 154.00 cm² (d) 6.16 cm²
- (a) 3.50 cm (b) 22.00 cm
- 18.87 cm²
- 102.75 cm²
- (a) 14.00 cm (b) 7.04 cm
(c) 14.70 cm (d) 31.51 cm
- (a) 10.8° (b) 7.2° (c) 25°
- 70 cm
- $25\pi - 49$

GENERATING EXCELLENCE

- (a) 3 cm (b) 3 cm (c) 4 cm
- 51.71 m²
- 66 cm²
- 122.9 m²
- 550 cm²
- 2 827.8 cm²

CHAPTER 6 THREE-DIMENSIONAL GEOMETRY SHAPES

SELF PRACTICE 6.1

- (a) (i) One circular base.
(ii) One curved surface that meets at the vertex of the cone.
(b) (i) 6 square surfaces.
(ii) sides and edges.
(c) (i) One vertex.
(ii) sides and edges.
(d) (i) Two circular bases that are congruent and parallel.
(ii) A curved side surface that lists two sites.
- (a) cone (b) pyramid (c) sphere

SELF PRACTICE 6.2

- (a) (b)
(c) (d)
2. (a) Hexagonal prism (b) Pyramid
(c) Triangular prism (d) Triangular prism

SELF PRACTICE 6.3

- (a) 282.86 cm² (b) 754.29 cm²
(c) 84 cm²
- (a) 1 257.14 cm² (b) 66 980.57 mm²
(c) 15 150 cm²
- (a) 455.71 m² (b) 361.43 cm²
(c) 1 428.57 cm²

SELF PRACTICE 6.4

- (a) 576.19 cm³ (b) 618.67 cm³ (c) 142.48 cm³
- (a) 157.14 cm³ (b) 183.43 cm³ (c) 146.79 cm³
- 2 192.67 cm³
- 2 block of pyramid

GENERATING EXCELLENCE

- (a) Cube (b) Triangular prism
(c) Hexagonal prism
- 8 cm
- (a) 60 mm (b) 8.5 cm (c) $h = 9$ cm
- (a) 4 790.76 cm³ (b) 13 967 marble