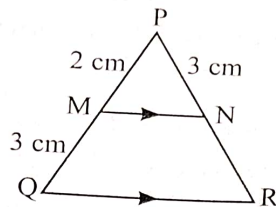


5. The sum of first 20 terms of an AP whose n th term $a_n = 3n - 5$ is
 (a) 530 (b) 1060 (c) 55 (d) $\frac{-4}{5}$
6. In the given figure, $MN \parallel QR$, if $PM = 2$ cm, $MQ = 3$ cm and $PN = 3$ cm then PR is (d) 20



- (a) 5 cm (b) 4.5 cm (c) 6 cm (d) 7.5 cm
7. The distance of a point $P(a, b)$ from the origin is
 (a) $\sqrt{a^2 + b^2}$ (b) $a + b$ (c) ab (d) $\sqrt{a + b}$
8. If $(0, 1)$ is one of the end points of diameter of a circle with centre at $(-3, 2)$, then other end point of the diameter is
 (a) $(-6, 3)$ (b) $(0, 2)$ (c) $(0, 0)$ (d) $(-3, 1)$
9. If $17 \sin \theta = 15$, then the value of $\cot \theta$ is
 (a) $\frac{15}{8}$ (b) $\frac{8}{15}$ (c) $\frac{8}{17}$ (d) $\frac{17}{8}$

23. A ladder
24. Evaluate $\cos 60^\circ \cdot \sin 30^\circ + \sin 60^\circ \cdot \cos 30^\circ$.

OR

If $\cos A = \frac{3}{4}$, find the value of $4 + 4 \tan^2 A$.

Area of a sector of a circle of radius 14 cm is 154 cm^2 . Find the length of the corresponding arc of the sector.

OR

Find the area of a quadrant of a circle, where the circumference of circle is 44 cm.