

Accumulative test

8

till lesson 8 – unit 3

1 Choose the correct answer from those given :

- 1 The image of the point $(4, 3)$ by the transformation $(x, y) \longrightarrow (-x, y - 1)$ is
 (a) $(4, 2)$ (b) $(-4, 2)$ (c) $(-4, -4)$ (d) $(-4, -2)$
- 2 The image of the point $(4, 6)$ by the transformation $(x, y) \longrightarrow (-x, y - 7)$ is
 (a) $(-4, -1)$ (b) $(4, 6)$ (c) $(4, -6)$ (d) $(-4, 1)$
- 3 The length of the line segment joining the midpoints of two sides of a triangle equals the length of the third side.
 (a) $\frac{1}{5}$ (b) $\frac{1}{4}$ (c) $\frac{1}{3}$ (d) $\frac{1}{2}$
- 4 If the two diagonals in a rectangle are perpendicular , then it will be
 (a) rhombus. (b) trapezium. (c) square. (d) rectangle.

2 Complete each of the following :

- 1 If the measures of two angles in a triangle are 30° and 40° , then the triangle is -angled.
- 2 If two straight lines intersect , then the measures of each two vertically opposite angles
- 3 If the measure of an interior angle of a regular polygon is 135° , then the number of its sides is sides.
- 4 If ABCD is a rhombus in which $m(\angle ABD) = 35^\circ$, then $m\angle BAC = \dots\dots\dots$