TYPES OF ANGLE AND ANGLES IN POLYGONS



ANGLE FACTS INCLUDING ON PARALLEL LINES



CONSTRUCTIONS



PYTHAGORAS AND TRIGONOMETRY



PYTHAGORAS AND TRIGONOMETRY



TRANSLATION AND ENLARGEMENT



REFLECTION AND ROTATION

Examples Key Concepts A **reflection** creates a mirror image of a shape on a coordinate graph. Rotate shape B from the Reflect shape A in the line Reflect shape A in the line The mirror line is given by an equation eg. y = 2, x = 2, y =x = 1. Label it B. y = x. Label it B. point (-1, -2) x. The shape does not change in size. A rotation turns a shape on a coordinate grid from a given point. The shape does not change size B but does change orientation. -ż -6 -5 -4 -3 Clockwise Anticlockwise x = 1y = xDescribe the **single** transformation vou see on each coordinate grid from A to B: **Key Words** sparx Rotate A Clockwise 6 -6 -4 -9 -2 -1 1 2 3 4 5 6 7 6 -5 -4 -3 -2 Anticlockwise 6 - 6 - 4 - 3 B Centre **U799** A Degrees **U696** Reflect d) rotation, centre (0,0), 180° ANSWERS: a) reflection, y = 1 b) reflection y = x c) rotation, centre (0,0), 90° anticlockwise Mirror image