

Lesson 2 Continued Generally Line segments and angles Ore preserved Observation and Theorem : Rigid transformations preserve both angle magnitude and line segment magnitude Oilation Preserved Angles are preserved Not preserved Line required are not presend Same anyla Vertical and Horizontal Stretches / Compressions K>1 := stretch KLI := compression Ex Harizantal stratch of 2 Sur point (2,3)? Ex Horizontal compression of 1/3 Ex Honzontal For point (3, 6)? (1,6)

Jesson 2 Continued Ex Identify the transformation Each point on the line y = 32-2 maps to teek All points est on the line y = 32-2 maps to a new point such that y= 32-2 is the perpendicular bigeabor between the new point and the old present PPI Suc greater slupe

