

Theorem 6.5: If a quadrilateral is a parallelogram, then its opposite angles are congruent. Theorem 6.6: If a quadrilateral is a parallelogram, then its diagonals bisect each other. Example 2: Find the values of the variables. What are PR and SQ? 3y 7 **_** Q 3y - 7 = 2x y = x + 1J 3(x+1) -7=2x y=4+1 3x+3-7=2x 4=5 x + 1 2x 3x-4=2x PR=3y-7+2x -4 = -X-3(5) - 7 + 2(4) $\mathbf{u} = \mathbf{x}$ =15-1+8 = 16 SQ = x+1+4 = 4+1+5 =10



