

7. diagonals are \cong in rectangles

$$6x + 11 = 2x - 1$$

$$4x = -12$$

$$x = -3$$

$$\overline{AD}: 2(-3) - 1 = -6 - 1 = -7$$

\emptyset

oops!
side lengths
cannot be
negative

8. $D = (0, b)$

$S = (-a, 0)$

9.	S	r
1. ABCD is \square		1. Given
$\angle 1 \cong \angle 2$		2. opp. sides are \cong
2. $\overline{AB} \cong \overline{CD}$		3. opp. \angle s are \cong
3. $\angle B \cong \angle D$		4. ASA
4. $\triangle ABX \cong \triangle CDY$		5. CPCTC
5. $\overline{AX} \cong \overline{CY}$		

10.	S	r
1. RSTU is \square		1. Given
2. $\overline{RU} \cong \overline{ST}$		2. opp. sides are \cong
3. $\overline{RL} \cong \overline{LT}, \overline{UL} \cong \overline{SL}$		3. diagonals bisect ea. other
		4. $\triangle RLU \cong \triangle TLS$
		4. SSS