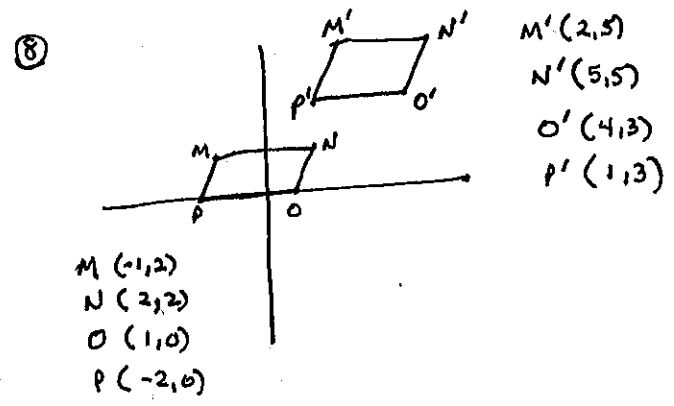
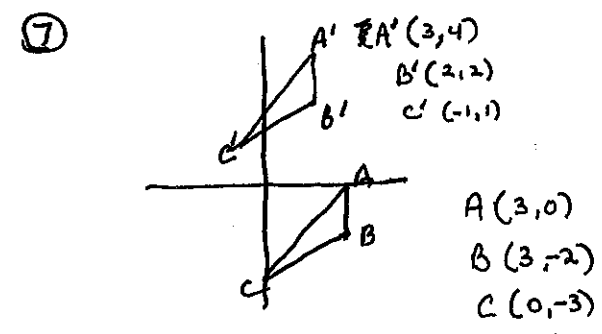


8.1

- ① yes. It preserves distance and angle measures.
- ② No. It does not preserve distance and angle measures.
- ③ Yes. It preserves distance and angle measures.
- ④ Yes. It preserves distance and angle measures.

- ⑤ a. A' is the image of A
or B' is the image of B
or C' is the image of C
- b. \overline{AB} and $\overline{A'B'}$
 \overline{BC} and $\overline{B'C'}$
 \overline{CA} and $\overline{C'A'}$

- ⑥ a. M is the image of V .
or L is the image of U
or J is the image of X
or K is the image of W
- b. \overline{VW} and \overline{MJ}
 \overline{WX} and \overline{JK}
 \overline{XU} and \overline{KL}
 \overline{UV} and \overline{LM}



⑨ $T_{\langle -3, -4 \rangle}$ (ABCD)

⑩ $T_{\langle 4, -3 \rangle}$ (UVWXYZ)

⑪ 1 block south
3 blocks west

⑫ 7 rows north

KV

⑬ $T_{\langle -10, -15 \rangle} (P'Q'R'S') = PQRS$

⑭

$X(2, 3)$	$Y(1, 4)$	$Z(8, 9)$
$X'(4, 7)$	$\frac{+2, +4}{\hline}$	$\frac{+2, +4}{\hline}$
$T_{\langle 2, 4 \rangle}$	$Y'(3, 8)$	$Z'(10, 13)$

- ⑮ To move R to vertex $T_{\langle -1, -3 \rangle} (\Delta RST)$
 To move S to vertex $T_{\langle -5, -1 \rangle} (\Delta RST)$
 To move T to vertex $T_{\langle -2, 2 \rangle} (\Delta RST)$

- ⑯ To move B to vertex $T_{\langle 3, -3 \rangle} (\Delta BCD)$
 To move C to vertex $T_{\langle -4, -1 \rangle} (\Delta BCD)$
 To move D to vertex $T_{\langle 0, 2 \rangle} (\Delta BCD)$

