.4	Extra Practice
1.	$\square ABCD \cong \square MNOP$, $\square STUV \cong \square EFGH$, $\triangle PQR \cong \triangle JKL$; $\square MNOP$ is a translation 5 units left and 2 units down of $\square ABCD$. $\square STUV$ is a reflection of $\square EFGH$ in the line $y = x$. $\triangle JKL$ is a 90° rotation of $\triangle PQR$.
2.	Sample answer: translation 5 units up followed by a 180° rotation about the origin
3.	Sample answer: reflection in the line $x = 1$ followed by a translation 2 units right and 5 units down
4.	yes; $\triangle DEF$ is a reflection of $\triangle ABC$ in the <i>x</i> -axis.

- 5. no; M and N are translated 4 units left and 4 units down of their corresponding vertices, I and J, but K and L are translated 5 units left and 4 units down of their corresponding vertices, G and H. So, this is not a rigid motion.
- 6. $\overline{U''V''}$

- 7. line k and line m
- **8.** line k and line m are parallel
- **9.** 10 in.
- **10.** 120°