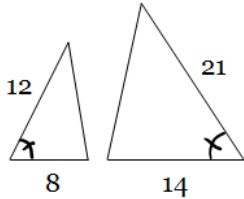


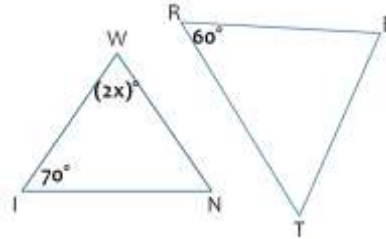
CHAPTER 7 SIMILARITY & CHAPTER 9 TRANSFORMATIONS

CHAPTER 7: SIMILARITY

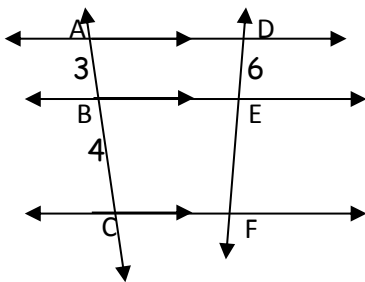
1. Are the Δ 's similar? If so, by what method?



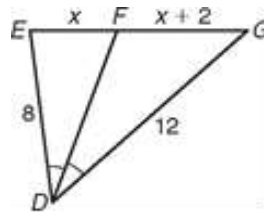
2. $\Delta WIN \sim \Delta TER$. Find the value of x .



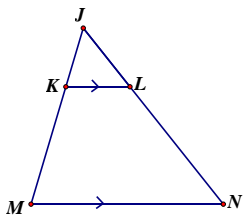
3. Given the diagram below, find EF.



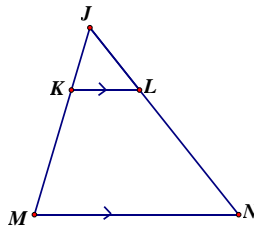
4. Given the diagram, find FG.



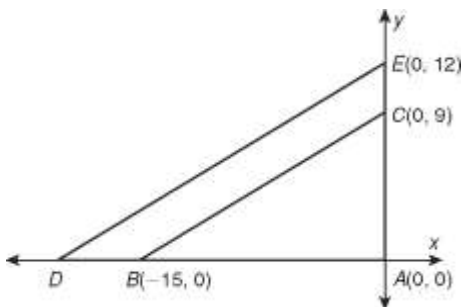
5. Given the diagram below and $JK = 4$, $KM = 6$, and $JL = 10$, find LN.



6. Given the diagram below and $JK = 4$, $KM = 6$, and $KL = 10$, find MN.



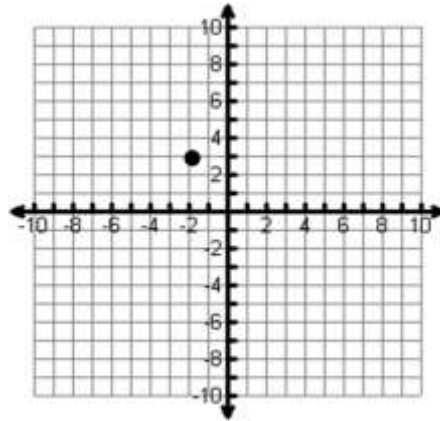
7. Given that $\Delta ABC \sim \Delta ADE$, find the coordinates of D.



CHAPTER 9: TRANSFORMATIONS

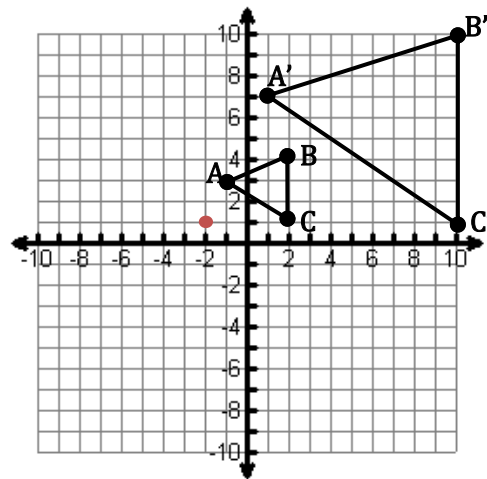
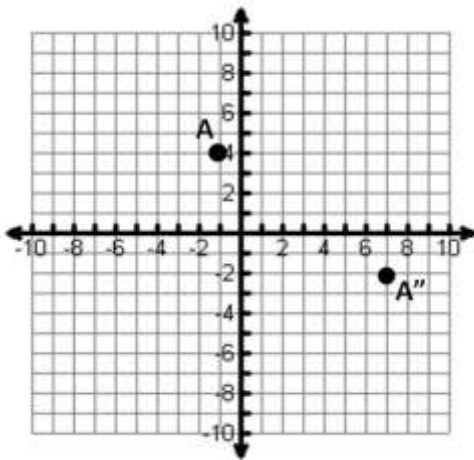
8. When the point $(3, 7)$ is reflected over the y -axis, what is the resulting image?

9. When the point $(-2, 3)$ is rotated -90° , what is the resulting image?



10. Point $A(-1, 4)$ was mapped to Point $A''(7, -2)$ first by a reflection over the x -axis and then by what translation vector.

11. What is the scale factor if the center is $(-2, 1)$?



12. Identify the coordinates of Point E along \overline{GO} where $G(-8, -7)$ and $O(8, 5)$ such that the ratio of GE to EO is 3 to 1.

