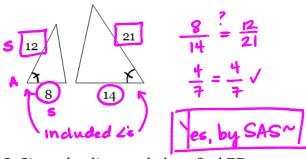
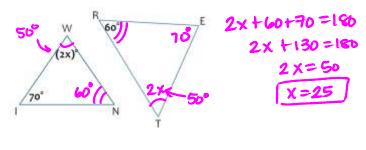
Chapter 7 Similarity & Chapter 9 Transformations

Chapter 7: SIMILARITY

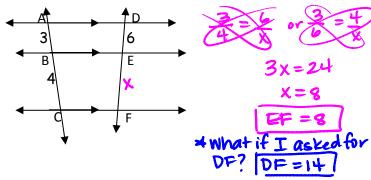
- 1. Are the Δ 's similar? If so, by what method?
- 2. Δ WIN \sim Δ TER. Find the value of x.



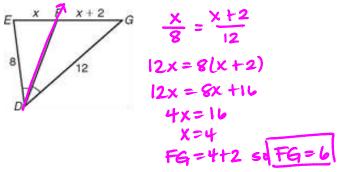
3. Given the diagram below, find EF.



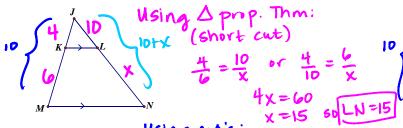
4. Given the diagram, find FG.



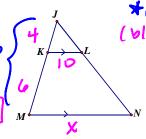
5. Given the diagram below and JK = 4, KM = 6, and JL = 10, find LN.



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

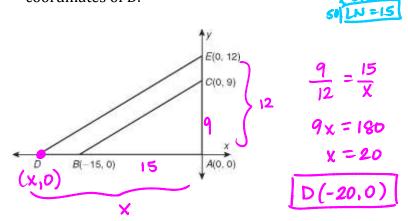


7. Given that $\triangle ABC \sim \triangle ADE$, find the coordinates of D.



*Can only use ~ Δ 's *

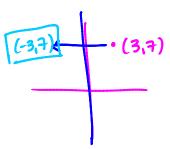
(b) c Looking for entire side of Δ) $\frac{4}{10} = \frac{10}{x}$ 4x = 100 x = 25so MN = 25



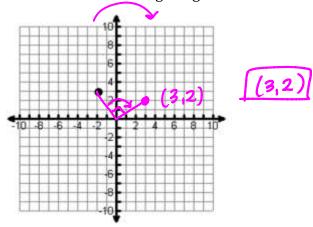
Chapter 4: Transformations

Clockwise

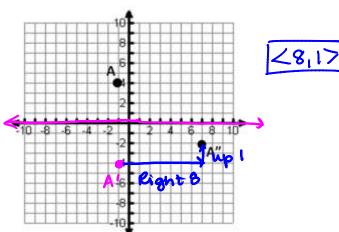
8. When the point (3, 7) is reflected over the y-axis, what is the resulting image?



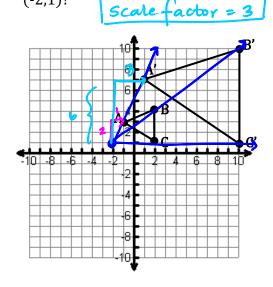
9. When the point (-2, 3) is rotated -90°, what is the resulting image?



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.



