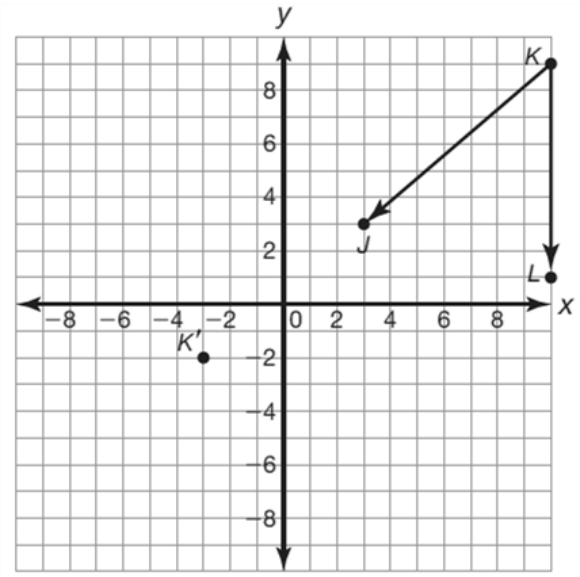
Name: _____

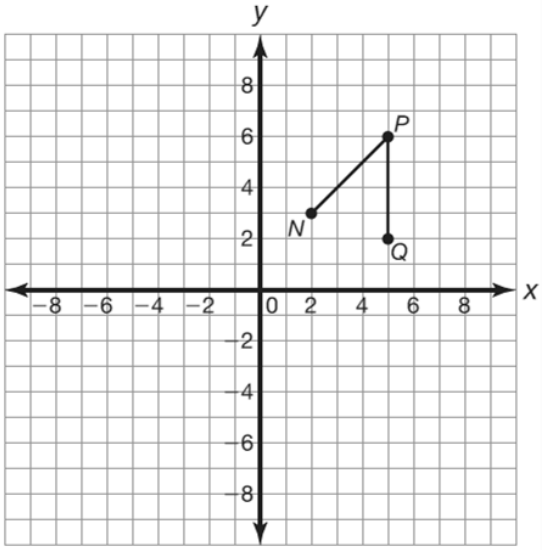
1.4 – Angles & Angle Bisectors

Past due on: _____ Period:

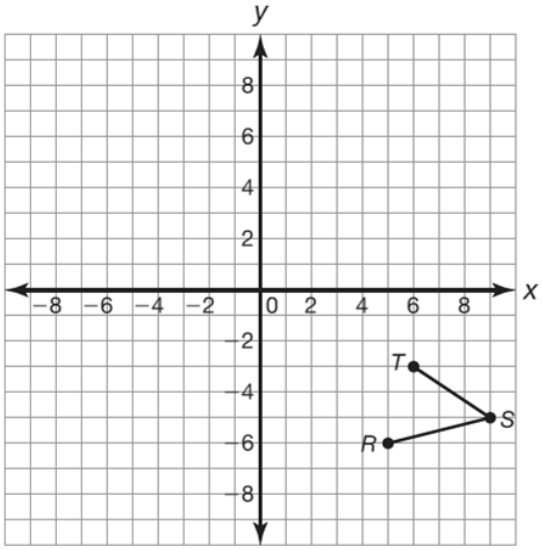
1. Point K in $\angle JKL$ has been translated to Quadrant III to create image K'. Describe and perform the translation(s) needed to translate $\angle JKL$ to Quadrant III.



2. Translate $\angle NPQ$ 8 units to the left and 11 units down.

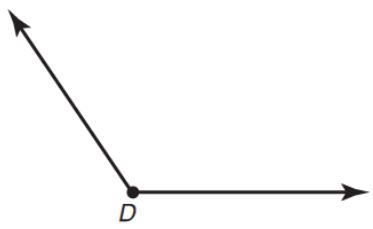


3. Translate $\angle RST$ 15 units to the left and 9 units up.

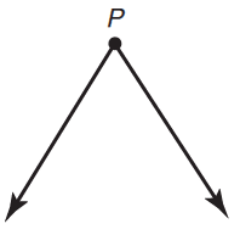


Construct each angle described.

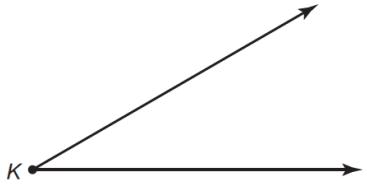
4. Copy $\angle D$.



5. Copy $\angle P$.

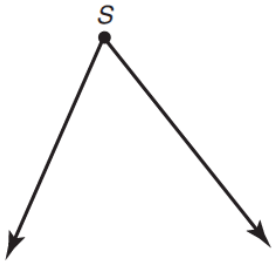


6. Construct an angle that is twice the measure of $\angle K$.

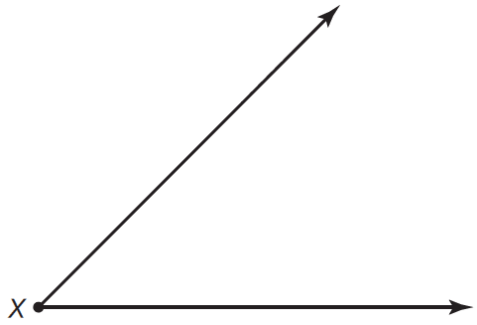


7. Construct the angle bisector of $\angle X$.

8. Construct the angle bisector of $\angle S$.

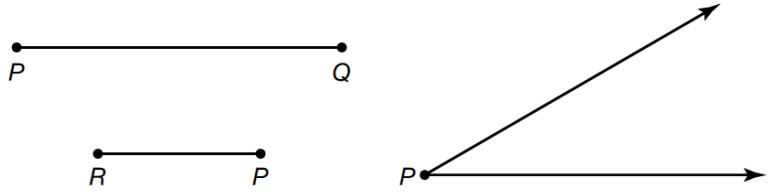


9. Construct an angle that is one-fourth the measure of $\angle X$.



10. Construct an angle that is one-fourth the measure of $\angle F$.

11. Use the given line segments and angle to construct triangle PQR.



12. Do you suppose everyone in your class constructed the same triangle? Explain your reasoning.