# Geometry
## Section 1.1 – 1.4 Review

**Choose the best answer.**

**Refer to the figure for Exercises 1 and 2.**

1. Which represents the name of the ray whose endpoint is K and that passes through R?

   A $\overrightarrow{RK}$        C $\overline{KS}$

   B $\overline{KT}$        D $\overrightarrow{RK}$

2. In the diagram, how many different rays have endpoint R?

   F 1        H 3

   G 2        J 4

**Refer to the figure for Exercises 3 and 4.**

3. Which line contains points S and U?

   A line m        C line p

   B line n        D $\overleftrightarrow{ST}$

4. In the diagram, how many different segments can be named?

   F 0        H 2

   G 1        J 3

**Refer to the figure for Exercises 5 and 6.**

5. What is MP?

   A 1        C 4

   B 2        D 5

6. What is LP?

   F −7.5        H 2.5

   G −2.5        J 7.5

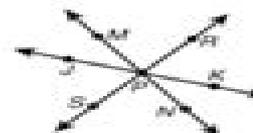8. B is the midpoint of $\overline{AC}$. AB = 8v, and AC = 2v + 42. What is BC?

   F 24        H 56

   G 48        J 168

9. An angle whose measure is 70° is what type of angle?

   A acute        C obtuse

   B right        D straight

10. $\overrightarrow{GJ}$ bisects $\angle FGH$, $m\angle FGJ = (7x - 9)°$, and $m\angle HGJ = (2x + 36)°$. What is $m\angle FGH$?

    F 43°        H 86°

    G 54°        J 108°

11. An angle measuring 22° is bisected. What is the measure of the angles that are formed?

    A 11°        C 33°

    B 22°        D 44°

12. Which angle forms a linear pair with $\angle MPS$?

    F $\angle RPN$        H $\angle MPJ$

    G $\angle RPM$        J $MPK$

13. If $m\angle Q = (8x - 40)°$, what is the measure of its supplement?

    A $(130 - 8x)°$        C 90°

    B $(220 - 8x)°$        D 180°

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**daniel a marcus number fields university of toronto** - Feb 18 2022

web zahlbericht namely lectures on the theory of algebraic numbers by erich hecke 5 this is the book from which i learned the subject although there are no exercises in it to mention andré weil again to improve on hecke in a treatise along classical lines of the theory of algebraic numbers would be a futile and impossible task