

KEY

Worksheet 3

1. A plane is named with three noncollinear points. H , I , and J are collinear.
2. Possible answers: plane HIK ; plane HJK ; plane IJK
3. \overleftrightarrow{HI} , \overleftrightarrow{HJ} , \overleftrightarrow{IJ} , \overleftrightarrow{IH} , \overleftrightarrow{JH} , and \overleftrightarrow{JI}
4. \overrightarrow{ST} and \overrightarrow{TS} are not the same figure because \overrightarrow{ST} has its endpoint at S and \overrightarrow{TS} has its endpoint at T .
5. \overrightarrow{ST} and \overrightarrow{TS} are not opposite rays because they do not have the same endpoint.
6. a line
7. point, line, plane
8. Through any three noncollinear points there is exactly one plane containing them.
9. If two planes intersect, then they intersect in exactly one line.
10. C