of two lives peternines over anotally one point. Two points Determine one and only one stepiant live. A Stephight live
Determine one and only one stepiant line. A Stepiant line
sequent is the skottest seament doining two points. And
Firelly, A Geometers Fraule May be Moved without character
its size or SHAPeral secretary will be a part to be the purp of the
IF A ciede Tracte most be Depure us assume
that a cincle new always be Deand with a given point
As conten, and a fixed line sequent as a possing and the second seconds and the second
Incoentally, this beings we the population of tools. In Plane
Geometry, we are remisso, to appreciation weithing
materials, only two pros in constructing figures: an owner to
Stadiohted Ge to Dearn Lives , Ave a Poin of Yourasses to the
ciedes. The Dece problems that occupies the thoughts of Maryor
FOR GREEK GOOMETERS, LEADING THEM to DISCOVERIES IN THE
FIELD, WERE: (1) THE TRITECTION OF MY ANGLE. (2) THE QUARTURE
of the cincle (constructing a square equation area to a
bisen circle). (3) The deblication of the cube (constructing a
cube twice the volume of a place cube). It was finally house
in the nime togeth contrary that These three tasks pre impossible
be acoustisk went with the tools of Plane beometry. They may -
HOWEVER, be colved by THE USE OF OTHER INSTRUMENTS.
48 Demoving about Plane Figures.
with the statement of our axioms and postulates and the acceptance
of our underines of ments - toint, line, place - we are now
ready to perclop out system of reasoning About Blant
FIQURES. THE SIMPLEST FIQURE OF STHERE SHAD A STRAIGHT LINE !
wich can be populated in a plane surface occurs when two staight :
Dues intersect. Such a Figure Forms room avales (the righted -
is used to designate Angle). There are relation stirs between
there makes and we stall investigate is first our pathering in the
or Pancepune, we must befine some terms. Amale is a substant of the series
E S S S S S S S S S S S S S S S S S S S
A Property of the second of th
GEONETETE FIGURE FORMER by the intersection of two lives
the point of intersection is called the vertex of the avait
AND lives FORM its sions. There are two possible belative
SAUXIOUS WITH ONIOS OF ANGLES ASSESSED IN THIS PICTURE THEN
Dough 1/3