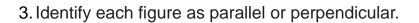
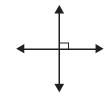
Geometry: Lines and Angles 155

Name:		
Date: Everywhere you look in manufacturing y angles.	/ou	see lines and
To better understand the terminology manufacturing, write the letter of the each definition.		
The point at which two lines intersect	Α	opposite rays
A set of points in a straight path that extends infinitely in both directionsTwo lines that form a right angle at their point off intersectionPosition in space, often represented by a dot	В	point
	С	ray
	D	point of intersection
	Е	linear
A finite portion of a line that has two endpoints	F	midpoint
Three or more points that lie in the same line	G	parallel lines
A point that bisects a line segment	Н	collinear points
Lines in the same plane that never intersect	I	perpendicular lines
A portion of a line that extends from one endpoint infinitely in one direction	J	line segment
A flat surface that extend infinitely in all directions	K	line
Two rays that share an endpoint and extend in opposite directions of a line		

Something that relates to or resembles a line	L plane
Three or more points that I	M coplanar points ie in
the same plane If three points are coplanar the line containing two of the points are plants.	ne
without understanding what	ure a part from a print diagram
X	E
c. S • T	d. W X
e. C	f. M
g. K	h. R O
i. T	H

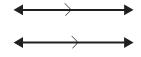








C.



4. Draw and label of each of the following:

- a. AB
- b. points C and D
- c. RS

- d. points X, Y, Z e. DE

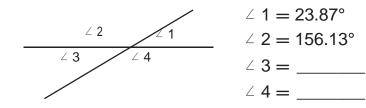
5. Much manufacturing requires the use of angles. Some of the materials such as angle iron, channels, and beams must be installed at specific angles to ensure stability and strength. Classify each angle as acute, obtuse, right, or straight. (You can verify your answer with a protractor)







6. Find the missing vertical angle.



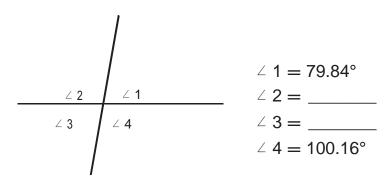


Image sources:

Picture 1—LeDuc & Dexter Inc. (2002). Dehlinger Windery-The Return of a Favorite Son. Retrieved from http://www.leducanddexterplumbing.com/news-sept2002.html

Picture 2—AASHTO. (n.d.). John Greenleaf Whittier Bridge. Retrieved from bridges.transportation.org or http://bridges.transportation.org/Pages/Massachusetts.aspx **Picture 3**—Aston Service Dorset (n.d.). Cup Fitting Manifolds. Retrieved from astonservicedorset.com or http://www.astonservicedorset.com/

Line and angles were developed by S. Grudzinski



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