





# C.A.D STUDY GUIDE V6.0

1. CAD is an acronym for (1-COMPUTER AIDED DESIGN).  
*compute all designs - computer-aided design - calculate at distance - conclude-aided design*

2. In 1963, (1-COMPUTER AIDED DESIGN) developed a program that could draw pictures on a computer screen.

*General Electric - Harvard University - IBM - The Massachusetts Institute of Technology*

3. (1-COMPUTER AIDED DESIGN) was the software developed in 1982 that became the national standard for computer-aided design.

*AutoCad - AutoSketch - Cadmium - Pentium*

4. The basic purpose of a(n) (1-TOOLS OF THE TRADE: THEN AND NOW) is to convey the exact shape and dimensions of the object represented.

*sketch - engineering drawing - manufacturing drawing -- engineering ruler*

5. When (1-TOOLS OF THE TRADE: THEN AND NOW), there is a relationship between the size of the drawing and the actual size of the drawn object.

*drawing to size -- deficient in -- proximity -- drawing to scale -- deficient in detail*

6. The instructions needed to create drawings on the computer are provided by the (1-COMPUTER AIDED DESIGN).

*software -- hardware -- monitor -- input device*

7. The central processing unit, monitor, keyboard, mouse, and (1-TOOLS OF THE TRADE: THEN AND NOW) are called computer hardware.

*Software -- electric power -- instruction manual -- printer*

8. The *AutoSketch* screen section at the top of the window is the (1-EXPLORING AUTOSKETCH).

*scroll bar -- clock -- Menu bar -- status bar*

9. The (1-EXPLORING AUTOSKETCH) is an arrow which appears somewhere on the screen.

*cursor -- icon -- scroll bar -- button*

10. You get the Color hatches from the (1-EXPLORING AUTOSKETCH).

*Content Librarian -- Edit bar -- Status bar -- All-In-One toolbar*

11. To exit *AutoSketch*, you would select *File* from the Menu bar and click on (1-AUTOSKETCH DIRECTIONS WINDOW).

*Stop -- Redo -- Exit -- Redraw*

12. The tools needed to create objects are found on the (1-EXPLORING AUTOSKETCH).

*All-In-One toolbar -- Property bar -- Edit bar -- Standard toolbar*

13. The Menu bar at the top of the *AutoSketch* screen consists of (1-EXPLORING AUTOSKETCH) menus.

*six -- nine -- eight -- ten*

14. In *AutoSketch*, the (1-EXPLORING AUTOSKETCH) contains buttons that perform some of the most common tasks.

**Standard toolbar -- All-Standard toolbar -- All In one toolbar -- Menu bar -- Property bar**

15. Information, such as, coordinates, angles, and line widths is displayed on the (1-EXPLORING AUTOSKETCH).

**Edit bar -- Property bar -- Standard toolbar -- All-In-One toolbar**

16. In a coordinate system, the vertical and horizontal lines are called (2-UNDERSTANDING AXES, GRIDS, AND COORDINATES).

**grids -- commands -- axes -- origins**

17. (2-UNDERSTANDING AXES, GRIDS, AND COORDINATES) is the location where the X and Y axes meet.

**The middle -- 0,0 -- The center -- 1,1**

18. The distance along the (2-UNDERSTANDING AXES, GRIDS, AND COORDINATES) axis is always written or said first when indicating a measurement.

**X -- Y -- Z -- none of the above**

19. To give a location of a point on the X and Y axes is to give its (2-UNDERSTANDING AXES, GRIDS, AND COORDINATES).

**coordinates -- grid -- vertical line -- horizontal line**

20. If you were to draw a dot at each of the units along the X and Y axes, you would eventually draw a series of equally spaced dots called a(n) (2-UNDERSTANDING AXES, GRIDS, AND COORDINATES).

**coordinate -- grid -- axis -- unit**

21. The (3-Using Autosketch) allows you to select a symbol to place in a drawing.

**Symbol toolbox -- Edit Symbol tool -- Symbol bar -- Content Librarian**

22. Shapes such as circles, rectangles, and lines are available on the (2-MODULE GUIDE).

**All-In-One toolbar -- Property bar -- Edit bar -- Standard toolbar**

23. The primary tool for setting the current layer, color, style, width, and pattern is the (4-MODULE GUIDE).

**Property bar -- All-In-One toolbar -- Edit bar -- Standard toolbar**

24. You would select the *Copy* tool from the (3-MODULE GUIDE) toolbox to copy a drawn object.

**Standard toolbar -- All-In-One toolbar -- Edit bar -- Property bar**

25. Turning on *Grid Point Snap* on the (4-MODULE GUIDE) toolbar helps you create precise drawings.

**All-In-One -- Property -- Standard -- Edit**

26. There are (1-EXPLORING AUTOSKETCH) components on the *Status* bar.

**one -- three -- two -- four**

27. The dial is located on the right side of the (1&5-EXPLORING AUTOSKETCH & MODULE GUIDE).

**Status bar -- All-In-One toolbar -- Property bar -- Edit bar**

28. To give a horizontal dimension to your drawing, you would select the (5-AUTOSKETCH DIRECTIONS WINDOW) tool.

**Scale -- Vertical Dimension -- Radius Dimension -- Horizontal Dimension**

29. You would click on the *Vertical Dimension* tool to measure the (5-MODULE GUIDE) dimension of your drawing.

**radius -- vertical -- area -- horizontal**

30. The (1-EXPLORING AUTOSKETCH) contains buttons related to drawing functions, selection functions, and view functions.

**All-In-One toolbar -- Property bar -- Standard toolbar -- Edit bar**

# COMPUTER AIDED DESIGN

T	Z	E	I	S	C	P	G	S	M	W	L	H	T	H
A	X	L	R	U	P	N	N	O	T	S	A	Q	C	O
N	R	W	R	A	I	E	U	C	E	E	C	T	E	R
A	G	S	A	W	W	N	A	T	V	D	I	O	J	I
E	O	I	A	U	T	T	A	K	M	I	T	O	B	Z
R	V	R	S	A	T	N	F	H	E	T	R	L	O	O
R	D	A	I	E	I	O	M	O	T	R	E	B	Z	N
H	X	N	S	D	D	C	S	H	S	O	V	A	P	T
P	S	F	R	A	X	I	S	K	P	G	U	R	P	A
Z	T	O	E	N	G	I	N	E	E	R	I	N	G	L
M	O	R	E	T	U	P	M	O	C	T	D	E	O	M
C	P	L	O	T	T	E	R	G	C	E	C	I	Z	D
E	T	E	L	E	D	V	R	C	D	D	P	H	S	Y
O	O	U	N	E	M	I	F	I	T	H	D	I	F	K
Z	F	Z	V	D	D	E	A	M	D	G	C	J	P	U

AIDED  
AUTOSKETCH  
AXIS  
COMPUTER  
COORDINATES  
CURSOR  
DELETE  
DESIGN

DISK  
DRAWING  
EDIT  
ENGINEERING  
GRID  
HORIZONTAL  
MENU  
MOUNTAINS

OBJECT  
PLOTTER  
SAVE  
SOFTWARE  
SPEAKER  
TOOLBAR  
VERTICAL