

WORKSHEET

6

A. Answer the following Questions.

1. Give the number of rows and columns a text screen in QBASIC is divided into.









Number of Rows

Number of Columns

2. What is the screen resolution in SCREEN 9 mode?

×

3. Specify the direction that is used with the DRAW command by filling up the table below.

 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>

B. State True (T) or False (F):

1. The DRAW command is used to draw a point on the screen. ☐
2. The LINE command can only be used to draw lines. ☐
3. The CIRCLE command is used to draw circles of the same radius. ☐
4. The origin of the x and y co-ordinate is always the upper left corner of the screen. ☐
5. The PAINT command is used to fill an enclosed shape with a specified color. ☐
6. The screen resolution should be changed to graphics mode in order to use graphics in QBASIC. ☐
7. In textual mode QBASIC divides the screen into 25 rows and 80 columns. ☐
8. The statement SCREEN 1 is used to change the screen to text mode. ☐
9. The COLOR command is used to change the color of background on the screen in graphics mode. ☐
10. The statement DRAW "E50" will draw a straight line of 50 pixels moving diagonally up towards the left direction. ☐

C. Fill in the blanks with the given words:

CIRCLE	PRESET	BF	pixel	left
LINE	WHITE	blinking	PSET	SCREEN 0

1. _____ is used to revert back to the text mode.
2. The _____ command may be used to draw a rectangle in one go.

3. The _____ is used to draw a point on the screen.
4. The default colour in the graphics screen is _____.
5. The _____ command is used to remove the dot drawn using the PSET command.
6. The direction 'G' used with DRAW is used to draw a line by moving diagonally down and _____.
7. The intersecting point of an imaginary horizontal line and a vertical line is called a _____.
8. The parameter _____ is used to draw a rectangle and fill it up with a color.
9. The _____ command can be used to draw a circle on the screen.
10. In text mode while using the command COLOR, if you add 16 to the foreground color code, it will result in _____ the text.

D. Choose the correct answer:

1. **Which command is used to colour an enclosed area?**
 - a) PAINT
 - b) COLOR
 - c) PSET
 - d) DRAW

2. The _____ command may also be used to relocate the drawing position using DRAW command.
- a) COLOR
 - b) BLACK
 - c) LINE
 - d) PSET
3. The parameter B used with the LINE statement is used to draw a _____.
- a) Line
 - b) Circle
 - c) Box
 - d) None of these
4. You can draw concentric circles by using a fixed center co-ordinate but varied _____.
- a) COLOR
 - b) LINE
 - c) Radius
 - d) All of these.
5. The x co-ordinate is used to specify the _____.
- a) Row number
 - b) Column number
 - c) Both a and b
 - d) None of these.

6. The parameter G used with the DRAW command is used to draw a line _____.

- a) Move diagonally up and right
- b) Move diagonally down and right
- c) Move diagonally up and left
- d) Move diagonally down and left

7. To draw concentric circles the _____ should be changed.

- a) Radius
- b) X-coordinate
- c) Y-coordinate
- d) All of these

8. A _____ is basically the column and row number of a pixel starting from upper left corner.

- a) Resolution
- b) Graphics
- c) co-ordinate
- d) line