

## CS602 SOLVED QUIZ. 2 DATE 13-12-2013

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Question # 1 of 10 ( Start time: 10:19:01 AM ) Total Marks: 1

When scaling factor  $S_x$  and  $S_y$  are assigned the same value, \_\_\_\_\_ scaling is produced that maintains relative object proportions. Select correct option:

**Uniform**

Unequal

Multiform

Equal

Question # 2 of 10 ( Start time: 10:10:28 AM ) Total Marks: 1

\_\_\_\_\_ transformation produces shape distortions as if objects were composed of layers that are caused to slide over each other. Select correct option:

Rotation

Translation

Reflection

**Shear** PAGE 124

Question # 3 of 10 ( Start time: 10:11:43 AM ) Total Marks: 1

Global coordinate systems can be defined with respect to local coordinate system Select correct option:

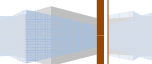
True

**False**

Question # 4 of 10 ( Start time: 10:12:47 AM ) Total Marks: 1

The process of subdivision an entity or surface into one or more non-overlapping primitives. Select correct option:

1



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Rendering

Modeling

Meshing

None of above

Question # 5 of 10 ( Start time: 10:13:36 AM ) Total Marks: 1

The given primitives are clipped to the boundaries of \_\_\_\_\_ and primitives lying outside are not drawn. Select correct option:

Clipping polygon

Clipping circle

Clipping rectangle PAGE 136

Clipping Line

Question # 6 of 10 ( Start time: 10:14:54 AM ) Total Marks: 1

Sutherland-Hodgeman clipping algorithm clips any polygon against a concave clip polygon  
Select correct option:

True

False

Question # 7 of 10 ( Start time: 10:15:24 AM ) Total Marks: 1

In 2D transformation, \_\_\_\_\_ can be achieved by rotating the object about 180 degrees. Select correct option:

Translation

Scaling

Shear

Reflection

Question # 8 of 10 ( Start time: 10:15:45 AM ) Total Marks: 1

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In Trivial acceptance/reject test there are four bits of nine regions, Bit4 represents condition \_\_\_\_\_ . Select correct option:

Outside half plane of left edge, to the left of left edge  $X < X_{min}$

Outside half plane of right edge, to the right of right edge  $X > X_{max}$

Outside half plane of bottom edge, below bottom edge  $Y < Y_{min}$

Outside half plane of top edge, above top edge  $Y > Y_{max}$

Question # 9 of 10 ( Start time: 10:17:02 AM ) Total Marks: 1

Discard a line with both endpoints outside clipping boundaries is called as \_\_\_\_\_ . Select correct option:

Trivial reject PAGE 137

Trivial accept

Total outside

Total inside

Question # 10 of 10 ( Start time: 10:18:23 AM ) Total Marks: 1

In \_\_\_\_\_ transformation one coordinate is held fixed and the other coordinate or coordinates are shifted. Select correct option:

Rotation


Reflection

Shear

Scaling

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Quiz Start Time: 01:46 PM

Time Left 85   
sec(s)

3

Question # 1 of 10 ( Start time: 01:46:57 PM )

Total Marks: 1


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\_\_\_\_\_ transformation produces shape distortions as if objects were composed of layers that are caused to slide over each other.

Select correct option:

- Rotation
- Translation
- Reflection
- Shear correct

Quiz Start Time: 01:46 PM

Time Left ▶ 87   
sec(s)

Question # 2 of 10 ( Start time: 01:48:14 PM )


Total Marks: 1

Sutherland-Hodgeman clipping algorithm clips any polygon against a concave clip polygon

Select correct option:

- True
- False correct

Quiz Start Time: 01:46 PM

Time Left ▶ 87   
sec(s)

Question # 3 of 10 ( Start time: 01:49:14 PM )

Total Marks: 1

In \_\_\_\_\_ transformation one coordinate is held fixed and the other coordinate or



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coordinates are shifted.

Select correct option:

- correct
- 
- 
- 

Quiz Start Time: 01:46 PM

Time Left 86 sec(s)  

Question # 4 of 10 ( Start time: 01:50:32 PM )

Total Marks: 1

In Trivial acceptance/reject test there are four bits of nine regions, Bit2 represents condition


Select correct option:

- 
- 
- correct

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Outside half plane of top edge, above top edge Y >`

Quiz Start Time: 01:46 PM

Time Left 87 sec(s) 

Question # 5 of 10 ( Start time: 01:51:56 PM )

Total Marks: 1

In Trivial acceptance/reject test there are four bits of nine regions, Bit 4 represents condition \_\_\_\_\_.

Select correct option:


Outside half plane of left edge, to the left of left edge **correct**

Outside half plane of right edge, to the right of right edge

Outside half plane of bottom edge, below bottom edge

Outside half plane of top edge, above top edge Y >`

Quiz Start Time: 01:46 PM

Time Left 83 sec(s) 

Question # 6 of 10 ( Start time: 01:52:59 PM )

Total Marks: 1

When scaling factor  $S_x$  and  $S_y$  are assigned the same value, \_\_\_\_\_ scaling is produced that maintains relative object proportions.


Select correct option:

Uniform **correct**

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- Unequal
- Multiform
- Equal

Quiz Start Time: 01:46 PM

Time Left 87 sec(s) 

Question # 7 of 10 ( Start time: 01:54:29 PM )


Total Marks: 1

Shortcoming of Sutherland-Hodgeman Algorithm is concave polygons may be displayed with extensors lines

Select correct option:

- True correct
- False

Quiz Start Time: 01:46 PM

Time Left 86 sec(s) 

Question # 8 of 10 ( Start time: 01:55:57 PM )

Total Marks: 1

In 2D transformation, \_\_\_\_\_ can be achieved by rotating the object about 180 degrees.


Select correct option:

- Translation

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- Scaling
- Shear
- Reflection correct

Quiz Start Time: 01:46 PM

Time Left ▶ 87   
sec(s)

Question # 9 of 10 ( Start time: 01:56:55 PM )


Total Marks: 1

Locations can be translated or "transformed" from one coordinate system to the other.

Select correct option:

- True
- False correct

Quiz Start Time: 01:46 PM

Time Left ▶ 85   
sec(s)

Question # 10 of 10 ( Start time: 01:58:08 PM )

Total Marks: 1

Global coordinate systems can be defined with respect to local coordinate system

Select correct option:

- True correct

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False

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