1. In general, the term _____ includes the application of all exterior surfaces of a structure, including the roofing materials. It includes the construction of the cornice and rake and the application of siding and trim members around _____ and _____.

2. An open cornice is used when the style of architecture requires the _____ to be exposed to view.

3. The drawing below shows the structural and trim members of a normal boxed cornice. Identify the parts specified.

4. When plywood or other thin material is used for the soffit of a boxed cornice, the edge along the fascia should be supported. This can be accomplished with a groove cut in the fascia or by a(n) _____ attached to the rafters and/or fascia.

5. A closed or boxed cornice should have screened slots or ventilating units installed in the _____.

6. Battens are applied over vertical siding consisting of solid boards and are attached by nailing _____.
   A. through the center
   B. along one edge
   C. along both edges

8. The rake is the part of the roof that overhangs a gable. Shown below is a wide box rake section. Identify the trim members as specified.

9. The end views of various types of horizontal siding are shown in the drawing below. Identify each type.

10. When horizontal siding is applied over sheathing that consists of solid wood, plywood, or nail-base fiberboard, the nails can be horizontally spaced about _____ apart.
   A. 12"
   B. 16"
   C. 20"
   D. 24"

11. Which of the following would be used for replacing older types of sheathing and sheathing paper? Select all of the correct answers.
   A. Asphalt-saturated felt with high moisture vapor resistance.
   B. Rigid polystyrene insulating board.
   C. Housewrap.
   D. Asphalt-saturated felt with low moisture vapor resistance.
12. When windows or doors are not protected by a wide overhang, certain extra installations should be made. Identify the items specified in the drawing below.

A. 
B. 

13. Plain beveled siding is lapped so it will provide a tight exterior wall covering. In a standard installation, 10" beveled siding is lapped about 
A. 1"
B. 1 1/2"
C. 1 3/4"
D. 2"

14. The view below shows a carpenter using a(n) _____ to lay out the position of siding courses at corners and openings.

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15. In residential construction, the ends of beveled siding are joined at outside corners with a(n) _____.
16. When wooden corner boards are used for a horizontal siding application, they are installed ____ (before, after) the siding is applied.
17. In the application of wide (4”-6”) bevel siding, drive the nail through the siding slightly ____ (above, below) the top edge of the previously applied course.
18. How many square feet of 1 x 8 bevel siding will be required to cover a wall 8’-0” high and 30’-0” long? The total window area is 30 sq. ft. Use the table below and round your answer to the nearest even number of square feet. Show your calculations in the space below.

<table>
<thead>
<tr>
<th>Type</th>
<th>Size (inches)</th>
<th>Lap (inches)</th>
<th>Multiply net wall surface by</th>
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<tbody>
<tr>
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<td>3/4</td>
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<td>*1 x 5</td>
<td>7/8</td>
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<td>1 x 12</td>
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<td>Rustic and drop siding</td>
<td>1 x 4</td>
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<td>1.28</td>
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<tr>
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*Unusual sizes.

19. Wood shingles are sometimes used for wall coverings. In a single-course application of 16” shingles, the recommended maximum exposure is _____.
A. 4 1/2”
B. 5 1/2”
C. 6 1/2”
D. 7 1/2”
20. Figure the amount of 1 x 10 bevel siding required to cover a 24' x 50' building. The outside walls are 9' high and the total rise of the gable roof is 4'. Total window and door area is 200 sq. ft. Add 10% to the area of the gable ends for waste. Use the table below and round your answer to the nearest even number of square feet. Show your calculations in the space below.

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*Unusual sizes.

21. What is a bearing, as applied to siding, and when is it used?

22. True or False? EIFS wall coverings can be installed only over concrete or concrete block.

23. Matched vertical siding made from solid lumber should be no more than 8" wide and installed with two 8d nails spaced no more than ____ apart.
   A. 2'
   B. 4'
   C. 6'
   D. 8'
24. When installing a vinyl siding system, allowances must be made for expansion and contraction caused by _____.
   A. aging
   B. temperature changes
   C. moisture

25. Hardboard siding is available in a wide range of textures and surface treatments. The most common thickness is _____.
   A. 5/16”
   B. 3/8”
   C. 7/16”
   D. 1/2”

26. Basic specifications for aluminum siding alloy and gage requirements are established by the FHA and the _____.

27. Aluminum siding should be grounded. Recommendations state that the siding application should be connected to the cold-water service or the electrical service ground with a ____ or larger wire.
   A. No. 8
   B. No. 10
   C. No. 12
   D. No. 14

28. Vinyl siding and accessories are produced by a process called _____.
   A. vacuum forming
   B. extrusion
   C. hot rolling
   D. roll forming

29. The base for stucco consists of sheathing, sheathing paper, and heavily galvanized metal lath. The lath should be spaced ____ away from the sheathing surface.
   A. 1/8”
   B. 1/4”
   C. 3/8”
   D. 7/16”

30. Which one of the following statements is incorrect concerning modern shutters?
   A. Modern shutters are used mainly for decorative effects.
   B. Shutters are usually attached with special, concealed hinges.
   C. Shutters are available in standard widths that range from 14” to 20”.
   D. Shutter installation should permit easy removal for painting and maintenance.
31. The drawing below shows the installation of the first two courses of bevel siding. Identify the specified items.

32. To ensure that water or moisture is not trapped behind brick veneer, small holes (called weep holes) are made in the joints of the lowest course of bricks. It is recommended that weep holes be spaced ____ apart.
   A. 16”
   B. 32”
   C. 40”
   D. 48”