SECTION QUIZ 2-1



Remember:
Score an 85% or higher on all three quizzes and you may be exempt from the chapter test!



Congratulations! You have completed this section!
Answer the following questions to test your understanding of the material. When you are finished, hand in your quiz to your teacher. Each answer is worth 2.4 points.

1. Parallel means: _____.
   (a) being at right angles to a plane
   (b) being perpendicular to a parallelogram
   (c) extending in the same direction, always equidistant, never meeting
   (d) all corners are right angles

2. The theorem $a^2 + b^2 = c^2$ is the _____ Theorem and is the basis of the 6-8-10 method of squaring a building.

3. If a right triangle is 9 feet on one leg and 12 feet on the other leg, the hypotenuse will be _____ feet.

4. A right angle has _____ degrees.
   (a) 120 (b) 15 (c) 360 (d) 90

5. A rectangle must have _____ 90 degree angles.

6. The diagonal distance of a rectangle is: _____.
   (a) the distance from one corner to the opposite corner
   (b) very difficult to calculate
   (c) easy to estimate very accurately
   (d) too long to be of any assistance

7. The diagonal of a rectangle forms a hypotenuse of two, right angle triangles. _____
   (a) True or (b) False

8. Batter boards must all be _____ with each other.

9. The _____ placed between the batter boards that will determine the position of the slab.

10. If a wall is plumb, it is: _____.
    (a) made out of pipes
    (b) standing straight up vertically
    (c) made from wood of the plumb tree
    (d) straight on the building line

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11. Form boards are placed around the perimeter of a proposed building foundation in order to: _____.
    (a) be sure the building was of the correct form
    (b) make sure the building was square
    (c) keep the concrete in place until it hardens
    (d) fill out all the technical forms correctly

12. A form nail has "two heads" so it can be _____.

13. A footer is made around the perimeter of a building in order to prevent the foundation from cracking._____
    (a) True or (b) False

14. The reinforcing wire mesh should be overlapped _____ inches.

15. Why is dirt piled against the outside of the forms? _____
    _____

16. The three main ingredients in concrete are water, aggregate and _____.

17. Aggregate in concrete is usually composed of: _____.
    (a) clean distilled water
    (b) portland cement
    (c) sand and rock
    (d) anything to fill out the mixture

18. If more _____ is added to a concrete mixture, the concrete will be harder when it is set up or cured.

19. Freshly poured concrete is leveled by means of a:_____.
    (a) jitterbug (b) trowel (c) bull float (d) screed board

20. A device used on wet concrete to move the aggregate down in the mixture and move the sand to the top is a: _____.
    (a) screed board
    (b) jitterbug
    (c) bull float
    (d) finishing trowel

21. Rebars make concrete work stronger, and edgers are used to level and smooth the edges of a slab._____ (a) True or (b) False

22. _____ are placed in the concrete around the perimeter of a slab and will be used later to anchor the shed to the slab.

23. The actual depth and width of a 2"x 4" stud is _____inches.

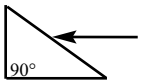
24. A wall framed with studs on 16 inch centers indicates: _____.
    (a) the studs will be 16 inches apart
    (b) the walls are 16 inches apart
    (c) the wall are 16 inches tall
    (d) the studs are 16 inches from the center of one stud to the center of the next

25. The reason pressure treated lumber should be used against concrete is: _____
_____.

(a) pressure treated lumber is harder that other types of lumber
(b) its resistance to termites, moisture and decay
(c) its ability to float if there is high water
(d) because it is pressure treated, it will expand and seal the bottom of the shed

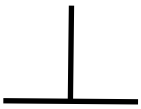
Match the following (# 26-33):

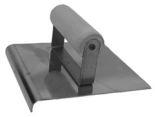
26. ___ parallel (a) 

27. ___ perpendicular (b) 

28. ___ hypotenuse (c) 

29. ___ circular saw (d) 

30. ___ framing square (e) 

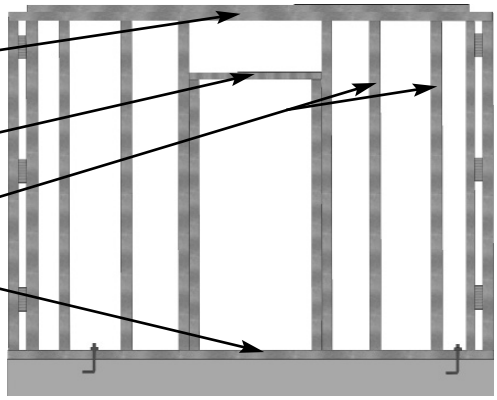
31. ___ level (f) 

32. ___ standard hand trowel (g) 

33. ___ edger trowel (h) 

Label the following:

34. _____
35. _____
36. _____
37. _____



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38. *"Nothing great was ever achieved without _____."*
39. *"A goal _____ set is halfway reached."*
40. *"No plan is worth the paper it is written on unless it starts you _____."*
41. *"The best _____for tomorrow is to do today's work extremely well."*
42. *"The road to success is always _____."*