Online Math Review

Short Answer
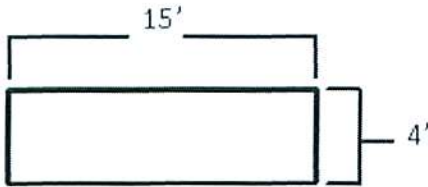
1. 3" = _____ feet

2. 2 7/8" = ____ feet

3. 3/32" = ____ feet

4. A contractor needs to purchase a box of nails for his nail gun. The price of the nails per box is $24.10. What is the total cost of the nails per box if the sales tax is 6.5%?
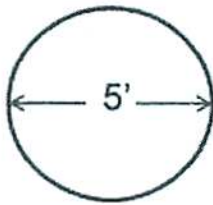
5.   Areas: = _____ ft.

6.

Area = _____ sf.
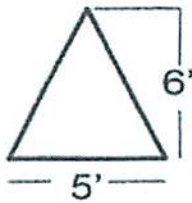
7. A = _____ sf.   Circumference. = _____ ft.

8. Vol = _____ cf.
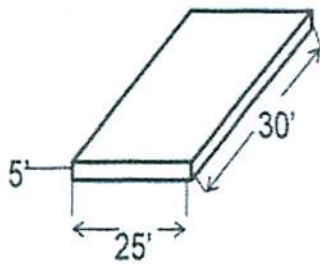
9.   Ft in   ft decimal

10'6" + 3'4" = _____   _____

10.   Ft in   ft decimal

7'2" + 18'3" = _____   _____

11.   Ft in   ft decimal

14'4" + 6'9" = _____   _____

12.   Ft in   ft decimal

3'2" + 1'9" = _____   _____

13.

Find the length of side C if A = 3 and B = 4
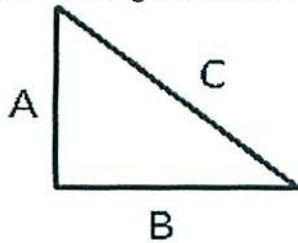
14. A contractor orders a box of floor tiles that retails for $38.50 per box. He receives a 3% trade discount. How much will his cost be for the box of floor tiles?

15. A carpenter is removing and replacing wood decking on a residence.
    Given the following information only, what is the total cost for the job?
    Remove 12 pieces of 1" x 6" x 10' at $.90 per board foot.
    Replace 12 pieces of 1" x 6" x 10' at $3.25 per board foot.
    Add dump fee for $1.30 Per board foot.

16. What is the straight line distance from, E to B = _____ ft.
    A to E = 303'
    A to B = 401'
    B to C = 75'
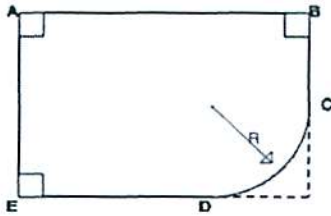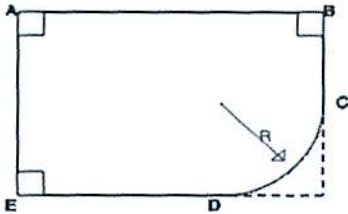

17. What is the distance from B to C?
    A to E = 303'
    A to B = 401'
    R = 228'
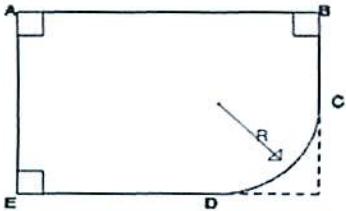
18. What is the distance from C to D?
    A to E = 303'
    A to B = 401'
    Radius = 228'

19. How many cy. of concrete are needed to pour 2 circular columns on a front porch 12" D x 10' L? Do not add any waste.

20. A contractor builds a house for 260,000 but lost 14% on the job. What is the amount he lost?

21. A concrete driveway 30' long slope 1/8" per foot. What is the drop at the end of the driveway?

22. A blueprint is drawn to a scale of 3/16" equals 1'0". When measured with a ruler, 5 1/4" will equal _____ ft.

23. According to the Percentage Completion formula,
    (cost to date / (costs to date + estimated remaining costs of completion) = percentage of completion, a job has a cost to date of $72,000 and the estimated cost to complete is $120,000. What is this job's percentage completion?

24. 22% of 240,000 = _____

25. Contractor earns 24,800.00 on a project, and had a profit of 18%. What was the cost of the project to the customer?

26. What is the area outside of C to B?   R = 40