

Student: Al Brewer
Date: 4/22/14
Time: 7:56 PM

Assignment: MML 6b (Sections 7.4 - 7.6)

16. Solve.

$$\sqrt{x-15} = 5$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution(s) is(are) $x = \square$.
(Use a comma to separate answers as needed.)
- B. The solution set is \emptyset .

17. Solve.

$$\sqrt{7x-6} - 6 = 0$$

Select the correct choice below and fill in any answer boxes present in your choice.

- A. $x = \square$
(Simplify your answer. Use a comma to separate answers as needed.)
- B. There is no solution.

18. Solve.

$$\sqrt[3]{60x} = -4$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution(s) is(are) $x = \square$.
(Simplify your answer. Use a comma to separate answers as needed.)
- B. The solution set is \emptyset .

19. Solve.

$$\sqrt{29-x} = x+1$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. $x = \square$
(Type an integer or a simplified fraction. Use a comma to separate answers as needed.)
- B. There is no real solution.

20. Solve.

$$\sqrt{3x-2} = 5$$

Select the correct choice below and fill in any answer boxes present in your choice.

- A. $x = \square$
(Simplify your answer. Use a comma to separate answers as needed.)
- B. There is no solution.

21. Solve.

$$\sqrt[3]{6x-3} - 3 = 0$$

Select the correct choice below and fill in any answer boxes present in your choice.

- A. $x = \square$
(Simplify your answer. Use a comma to separate answers as needed.)
- B. There is no solution.

22. Solve.

$$\sqrt{x+4} = \sqrt{2x-1}$$

Select the correct choice below and fill in any answer boxes present in your choice.

- A. $x = \square$
(Simplify your answer. Use a comma to separate answers as needed.)
- B. There is no solution.

23. Solve.

$$x - \sqrt{5-x} = -7$$

Select the correct choice below and fill in any answer boxes present in your choice.

- A. $x = \square$
(Simplify your answer. Use a comma to separate answers as needed.)
- B. There is no solution.

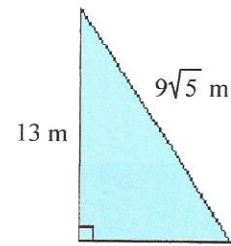
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24. Find the length of the unknown side of the triangle. Give the exact length and a one-decimal-place approximation.



The exact length is m.

(Type an exact answer, using radicals as needed. Simplify your answer.)

The length is approximately m.

(Type an integer or a decimal. Round to one decimal place as needed.)