Name: _____

7th Grade Weekly Math Review Week 31

Solve each problem. Show your work.

1. $\frac{1}{10} \div \frac{1}{2} =$ _____

2. $|8| =$ _____

3. A floor plan uses the scale 1 in = 8 ft. A room is 7.5 in long on the plan. How long is the actual room?

   Answer: _____

4. A floor plan uses the scale 1 in = 10 ft. A room is 1.5 in long on the plan. How long is the actual room?

   Answer: _____

5. 99 cups of flour make 11 batches of muffins. What is the constant of proportionality?

   Answer: _____

6. $\frac{4}{x} = \frac{16}{56}$ $x =$ _____

7. complement of 36° = _____

8. $7(x + 2) =$ _____

9. A triangular prism has right-triangle bases with sides 5, 12 and 13 in. It is 5 in long. What is its surface area?

   Answer: _____

10. A triangular prism has right-triangle bases with sides 6, 8 and 10 in. It is 9 in long. What is its surface area?

    Answer: _____

11. A triangular prism has right-triangle bases with sides 3, 4 and 5 in. It is 8 in long. What is its surface area?

    Answer: _____

12. A triangular prism has a triangle base with base 6 cm and height 10 cm. The prism is 4 cm long. What is its volume?

    Answer: _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 31

Solve each problem. Show your work.

1. $\frac{1}{10} \div \frac{1}{2} =$ $\frac{1}{5}$

2. $|8| =$ 8

3. A floor plan uses the scale 1 in = 8 ft. A room is 7.5 in long on the plan. How long is the actual room?

   Answer: 60 ft

4. A floor plan uses the scale 1 in = 10 ft. A room is 1.5 in long on the plan. How long is the actual room?

   Answer: 15 ft

5. 99 cups of flour make 11 batches of muffins. What is the constant of proportionality?

   Answer: 9 cups per batch

6. $\frac{4}{x} = \frac{16}{56}$ $x =$ 14

7. complement of 36° = 54°

8. $7(x + 2) =$ $7x + 14$

9. A triangular prism has right-triangle bases with sides 5, 12 and 13 in. It is 5 in long. What is its surface area?

   Answer: 210 sq in

10. A triangular prism has right-triangle bases with sides 6, 8 and 10 in. It is 9 in long. What is its surface area?

    Answer: 264 sq in

11. A triangular prism has right-triangle bases with sides 3, 4 and 5 in. It is 8 in long. What is its surface area?

    Answer: 108 sq in

12. A triangular prism has a triangle base with base 6 cm and height 10 cm. The prism is 4 cm long. What is its volume?

    Answer: 120 cubic cm