

Section 12.7/8 Worksheet

Name: _____

Find the distance between the two points.

1.) $(4, 8), (4, 7)$

2.) $(8, 3), (10, 4)$

3.) $(2, 3), (-5, 0)$

4.) $(8, 8), (-4, 2)$

5.) $(2, 3), (14, -2)$

6.) $(9, -3), (2, 4)$

Find the midpoint of the line segment with the given endpoints.

7.) $(2, 5), (4, 12)$

8.) $(-7, 2), (-10, 14)$

9.) $(-9, -5), (7, -14)$

10.) $(8, -8), (3, 5)$

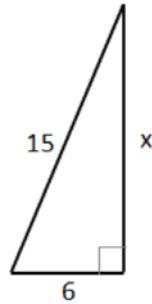
11.) $(20, 5), (30, -5)$

12.) $(-11, 7), (8, -3)$

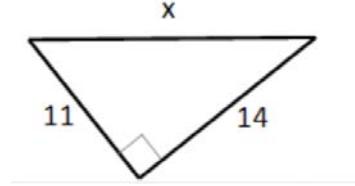
REVIEW:

Find the unknown length of the right triangle.

13.)



14.)



Simplify the expression.

15.) $\sqrt{6}(2\sqrt{3} - 4\sqrt{2})$

16.) $6\sqrt{2} - \sqrt{2}$

17.) $\sqrt{5} + \sqrt{20} - \sqrt{3}$