Assessment of Learning:

⇨ Please check your answers to assess your understanding of Special Right Triangles

Answers to Special Right triangles--Part 2

1) $x = \dfrac{9\sqrt{3}}{2}, \quad y = \dfrac{9}{2}$

2) $m = 4, \quad n = 2$

3) $a = 8, \quad b = 4\sqrt{3}$

4) $a = 14, \quad b = 7$

5) $x = 7, \quad y = \dfrac{7\sqrt{3}}{2}$

6) $u = \dfrac{3\sqrt{3}}{2}, \quad v = \dfrac{3}{2}$

7) $u = \dfrac{7}{\sqrt{2}}, \quad v = \dfrac{7}{\sqrt{2}}$

8) $x = 10\sqrt{2}, \quad y = 10$

9) $m = 20, \quad n = 10$

10) $x = 7\sqrt{2}, \quad y = 7$

11) $x = 6, \quad y = 3\sqrt{3}$

12) $x = 2\sqrt{3}, \quad y = 2$

13) $5\sqrt{2}$

14) $18\sqrt{2}$

15) $10\sqrt{2}$

16) $2\sqrt{6}$

17) 9

18) $\dfrac{15}{2}$

19) $\dfrac{7\sqrt{2}}{2}$

20) $12\sqrt{2}$

How'dya do? Identify what areas you need help with:

⇨ If you got more than 1 problem wrong in sections A or B, please watch one of these videos and go back and correct your answers.
   ❖ http://www.youtube.com/watch?v=7B1yrRLSRT8
   ❖ http://www.youtube.com/watch?v=6UbZjF_bsVl
⇨ If you got more than 1 wrong in section C, please check your math and your radical multiplication/ division.
   o http://www.youtube.com/watch?v=cx1TAJ9cP0o (for multiplication of radicals)
   o http://www.youtube.com/watch?v=3_R92rWD4yM (for division of radicals)
⇨ If you did fine on section A – C, move on to the Above & Beyond problems in part D.

In the space below, please explain what you know about 45-45-90 triangles and 30-60-90 triangles. Describe where you need help and how you are going to get it.

Give yourself a grade on the special right triangle material we covered over the past 2 days.

Grade = _____

Hand this in at the end of the period.