Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Partner: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**MATCH YOUR PARTNER’S ANSWER (set: P) HIGH SCHOOL Algebra-II**

Do the examples, show all work, select or write in your answers.

Check your work. You and your partner’s answers should match. Have fun! :-)

|  |  |
| --- | --- |
| **1**) Given: right triangle with hypotenuse 4√2.What is the length of the vertical leg? A) 2B) 2√2C) 4D) √4E) 8Answer: \_\_\_\_\_ | **2**) Given: right ∆ ABC. If length of leg AB=3 what is length of hypotenuse AC? A) 4B) 5C) 3√3D) 6√3E) 6**A****B****C**30˚Answer: \_\_\_\_\_ |
| **3**) Given right ∆ cutting off minor arc. If ∆ hypotenuse = 5√2 then what is length of the radius of the circle? **Select all that apply.**\_\_\_ A) √2\_\_\_ B) 3\_\_\_ C) 4 \_\_\_ D) > 4 \_\_\_ E) 5 | **4**) Given 2 secants cutting off 2 arcs in circle shown.**?****?** If this angle measures 30˚ what could be measure of the 2 arcs ? **Check all that are true**:\_\_\_A) 120˚ and 60˚\_\_\_B) 100˚ and 60˚\_\_\_C) 100˚ and 20˚\_\_\_D) 90˚ and 30˚\_\_\_E) 80˚ and 50˚ |
| **5**) Create a set of TRIG ex. w/same ans.  | **6**) Create a set of CIRCLE ex. w/same ans |

For 5) and 6) above. create two different examples with the same answer.

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Partner: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**MATCH YOUR PARTNER’S ANSWER (set: Q) HIGH SCHOOL Algebra-II**

Do the examples, show all work; select or write in your answers.

Check your work. You and your partner’s answers should match. Have fun! :-)

|  |  |
| --- | --- |
|  1) Given: right triangle ABC. If leg AB=3 and hypotenuse AC =5, then leg BC = ? A) 2B) 3C) 4D) 5E) 6Answer: \_\_\_\_\_ | 2) Given: right ∆ ABC with angle A = 60˚ and AC = 3√3. What length of leg BC? A) 3B) 4C) 6D) 3√3E) 6√3**A****B****C**60˚Answer: \_\_\_\_\_ |
| 3) If inscribed angle TOP = 40˚ then intercepted arc TP = ?**T****P****O****Select all that apply.** \_\_\_ A) 120˚ \_\_\_ B) 60˚ \_\_\_ C) 40˚  \_\_\_ D) 80˚  \_\_\_ E) 60˚ < X < 90˚ | 4) If the inscribed angle = 30˚ how can you find measure of central angle and intercepted arc AB?**30˚****A****B****Check all that are true:**\_\_\_ A) central angle = (30˚)(2)\_\_\_ B) central angle = (180˚ – 30˚) ÷ 2 \_\_\_ C) intercepted arcAB = (30˚ + 60˚) \_\_\_ D) intercepted arcAB˚=central angle\_\_\_ E) central angle = (30˚ + 15˚) |
| 5) Create a set of TRIG ex. w/same ans.  | 6) Create a set of CIRCLE ex. w/same ans |