Pre-Cal CW 4.1-4.2 Radians, Degrees, Right Triangles and The Unit Circle

State the complement and the supplement for each:

1. 0.72

2. $\dfrac{5\pi}{12}$

Convert the following angle in radians to degrees:

3. $\dfrac{15\pi}{8}$

State one positive and one negative coterminal angle for each:

4. 6.72

5. $\dfrac{13\pi}{4}$

Given $\cot\theta = \dfrac{1}{2}$, find the remaining 5 trig ratios:

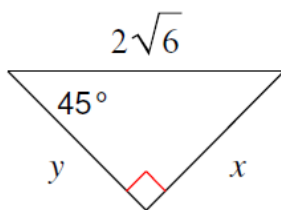6. $\sin\theta =$
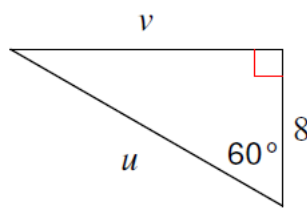
7. $\cos\theta =$

8. $\csc\theta =$

9. $\sec\theta =$

10. $\tan\theta =$
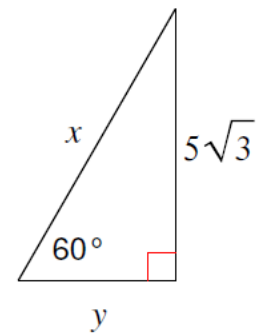

Find the missing sides of each right Triangle:

11.

12.

13.

Find the exact value of each Trig function (keep in mind: on a quiz you will not have a pre-made unit circle)

14. $\sin\dfrac{4\pi}{3} =$

15. $\tan 330^{o} =$

16. $\sec\dfrac{3\pi}{4} =$