Math 3                                                     Name_____ ID: 1
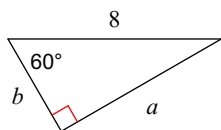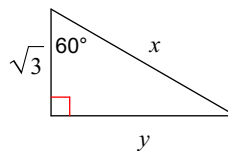## Review of 8.1-3                                         Date_____ Period____

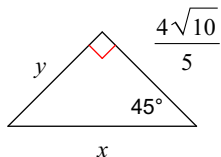**Find the missing side lengths. Leave your answers as radicals in simplest form.**
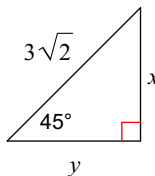
1)



2)



3)



4)



**Convert each degree measure into radians and each radian measure into degrees.**

5) $\dfrac{\pi}{3}$

6) $\dfrac{11\pi}{6}$

7) $300°$

8) $240°$

**Find a positive and a negative coterminal angle for each given angle.**

9) $135°$

10) $-155°$

11) $-\dfrac{\pi}{6}$

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

**Use the given point on the terminal side of angle $\theta$ to find the value of the trigonometric function indicated.**

13) $\cos \theta; \left(\sqrt{7}, 3\right)$

14) $\cot \theta; \left(-3, 5\right)$

15) $\tan \theta; \left(-4, -3\right)$

16) $\csc \theta; \left(4, 3\right)$

17) $\sec \theta; \left(-\sqrt{7}, 3\right)$

18) $\sin \theta; \left(-3, -6\right)$

**Find the reference angle.**

19) $250°$

20) $-\dfrac{10\pi}{3}$

21) $-185°$

22) $\dfrac{13\pi}{6}$

**Without a calculator find the exact value of each trigonometric function.**

23) $\cos 330°$

24) $\sec 300°$

25) $\tan \dfrac{\pi}{3}$

26) $\sin \dfrac{2\pi}{3}$