Trigonometric Values of First Quadrant and Quadrantal Angles

NAME: _____

Find exactly (No calculator)

1) $\sin(30°)$ = ___ $1/2$ ___

2) $\cos(45°)$ = ___ $\sqrt{2}/2$ ___

3) $\cos(60°)$ = ___ $1/2$ ___

4) $\tan(60°)$ = ___ $\sqrt{3}$ ___

5) $\sin(90°)$ = ___ 1 ___

6) $\sec(\pi/4)$ = ___ $\sqrt{2}$ ___

7) $\csc(\pi/3)$ = ___ $\frac{2}{\sqrt{3}}$ ___

8) $\tan(\pi/6)$ = ___ $\frac{1}{\sqrt{3}}$ ___

9) $\cos(\pi/6)$ = ___ $\sqrt{3}/2$ ___

10) $\sin(\pi/4)$ = ___ $\sqrt{2}/2$ ___

11) $\cos(30°)$ = ___ $\frac{\sqrt{3}}{2}$ ___

12) $\tan(45°)$ = ___ 1 ___

13) $\sin(60°)$ = ___ $\frac{\sqrt{3}}{2}$ ___

14) $\cos(180°)$ = ___ -1 ___

15) $\tan(270°)$ = ___ Undefined ___

16) $\sin(\pi)$ = ___ 0 ___

17) $\sin(\pi/3)$ = ___ $\sqrt{3}/2$ ___

18) $\cos(\pi/2)$ = ___ 0 ___

19) $\sin(\pi/6)$ = ___ $1/2$ ___

20) $\tan(\pi)$ = ___ 0 ___

21) $\cos(90°)$ = ___ 0 ___

22) $\cot(45°)$ = ___ 1 ___

23) $\sec(60°)$ = ___ 2 ___

24) $\cot(180°)$ = ___ undefined ___

25) $\cos(270°)$ = ___ 0 ___

26) $\sin(\pi/2)$ = ___ 1 ___

27) $\sin(\pi/6)$ = ___ $1/2$ ___

28) $\cos(\pi/4)$ = ___ $\sqrt{2}/2$ ___

29) $\sin(3\pi/2)$ = ___ -1 ___

30) $\tan(\pi/3)$ = ___ $\sqrt{3}$ ___