

Name: _____

Using Fundamental Identities

Exercise 1: Find the exact value of $\cos \theta$

1) $\sin \theta = \frac{1}{2}$

2) $\sin \theta = \frac{2}{3}$

3) $\sin \theta = \frac{1}{\sqrt{2}}$

4) $\sin \theta = \frac{\sqrt{3}}{2}$

5) $\sin \theta = \frac{2}{7}$

6) $\sin \theta = \frac{-1}{2}$

7) $\sin \theta = \frac{-3}{5}$

8) $\sin \theta = \frac{3}{5}$

9) $\sin \theta = \frac{5}{13}$

10) $\sin \theta = \frac{-11}{13}$

Exercise 2: Find the exact value of $\sin \theta$

1) $\cos \theta = -1$

2) $\cos \theta = 0$

3) $\cos \theta = -\frac{1}{\sqrt{2}}$

4) $\cos \theta = \frac{\sqrt{5}}{3}$

5) $\cos \theta = \frac{\sqrt{7}}{9}$

6) $\cos \theta = -\frac{\sqrt{3}}{7}$

7) $\cos \theta = -\frac{2\sqrt{2}}{5}$

8) $\cos \theta = -\frac{\sqrt{3}}{4}$

9) $\cos \theta = \frac{2}{\sqrt{5}}$

10) $\cos \theta = \frac{-3}{\sqrt{3}}$