

Name _____
Cofunctions

Date _____ Class _____
Mr. Lynch

Solve each of the following equations for θ .

1) $\cot(3\theta - 6)^\circ = \tan(\theta + 8)^\circ$

2) $\sin(3\theta)^\circ = \cos(4\theta + 13)^\circ$

3) $\tan(\theta + 15)^\circ = \cot(2\theta - 30)^\circ$

4) $\sin(23 + 4\theta)^\circ = \cos(13 + 5\theta)^\circ$

5) $\csc(3\theta - 8)^\circ = \sec(48 + 2\theta)^\circ$

6) $\tan(4\theta + 15)^\circ = \cot(2\theta - 27)^\circ$

7) $\cos(2\theta + 18)^\circ = \sin(57 + 3\theta)^\circ$

8) $\sec(4\theta - 5)^\circ = \csc(2\theta - 13)^\circ$

9) $\cot(3\theta - 14)^\circ = \tan(56 - \theta)^\circ$

10) $\sin(28 - 2\theta)^\circ = \cos(3\theta + 50)^\circ$