

Name _____ Date _____

Quiz: Angle Sum and Difference, Double Angle and Half Angle Formulas

1 Find the exact value of $\cos 74^\circ$. 2 If $\sin x = 4/7$, find $\cos(8x)$.

3 Find the exact value of $\sin 68^\circ$. 4 Find the exact value of $\sin 85^\circ \cos 12^\circ - \cos 85^\circ \sin 12^\circ$.

5 Find the exact value of $\cos 72^\circ$. 6 If $\sin x = 3/5$, find $\cos(5x)$.

7 Find the exact value of $\sin 55^\circ$. 8 Find the exact value of $\sin 46^\circ \cos 15^\circ - \cos 46^\circ \sin 15^\circ$.

9 Find the exact value of $\cos 64^\circ$. 10 If $\sin x = 2/3$, find $\cos(4x)$.

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|------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Circle # Correct | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Percentage Score | 0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100% |