

1) Given that $\sin A = -4/5$ with A in quadrant IV, find

a) $\sin 2A$

b) $\cos 2A$

c) $\tan 2A$

d) The quadrant of angle $2A$

Simplify.

2) $1 - 2\sin^2 \frac{x}{2}$

3) $\sin^4 x - \cos^4 x$

4) $\frac{1 + \sin 2x + \cos 2x}{\cos x}$

Answer Key

Testname: WORKSHEET5-5

1) a) $-\frac{24}{25}$ b) $\frac{-7}{25}$ c) $\frac{24}{7}$ d) III

2) $\cos x$

3) $-\cos 2x$

4) $2(\sin x + \cos x)$