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Trigonometry Worksheet: Double Angle Formula (1)

1. If  $\sin(\alpha) = \frac{3}{5}$  and  $\alpha$  is an acute angle, use the double angle formulas to find exact values of  $\sin(2\alpha)$ ,  $\cos(2\alpha)$ ,  $\tan(2\alpha)$ , and the quadrant of angle  $2\alpha$ .

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