Answers

Use these to check the method as well as the final answer.

1. Sine is positive in quadrants I and II.

$$30^\circ, 150^\circ$$

2. Cosine is negative in quadrants II and III.

$$120^\circ, 240^\circ$$

3. Tangent has a period of 180°.

$$45^\circ, 225^\circ$$

4. First obtain $\sin\theta = \pm 1/\sqrt{2}$.

$$45^\circ, 135^\circ, 225^\circ, 315^\circ$$

5. Rearrange $\sin^2\theta + \cos^2\theta = 1$.

$$\sin^2\theta$$