

## **Principal Angles**

Determine the principal angles for each of the following:

- (a)  $670^{\circ}$
- (b) 1450°
- .
- (c) 1245°

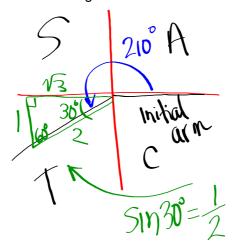
## **Special Triangles**

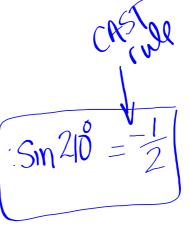
Special Triangle #1 Special Triangle #2

## Finding Exact Trig Ratios

Example #1

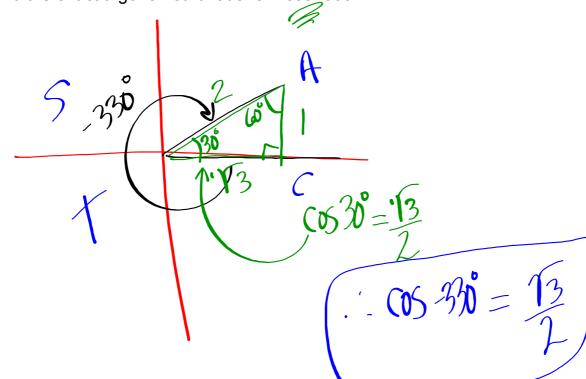
Find the exact trigonometric ratio for sin 210°





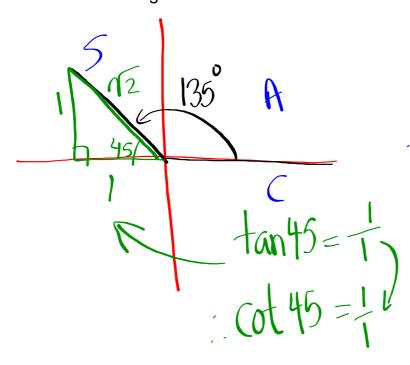
Example #2

Find the exact trigonometric ratio for cos -330°



## Example #3

Find the exact trigonometric ratio for cot 135°



$$\cot |35 = -\frac{1}{1}$$

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- 4) Find the exact trigonometric ratio for sin(-420°)
- 5) Find the exact trigonometric ratio for cos 315°
- 6) Find the exact trigonometric ratio for tan(-150°)
- 7) Find the exact trigonometric ratio for sin 225°
- 8) Find the exact trigonometric ratio for cos(-120°)
- 9) Find the exact trigonometric ratio for cot 390°
- 10) Find the exact trigonometric ratio for sec(-300°)