Consider a $150^\circ$ angle.

1) Sketch this angle on the axis provided below.

2) What quadrant is this angle in?

**Quadrant II**

3) Find another angle that is conterminal with this angle.

There are multiple solutions, in particular anything that is $150^\circ + k \cdot 360^\circ$ for some positive or negative whole number $k$. Examples include:

- $510^\circ$
- $870^\circ$
- $-210^\circ$
- $-570^\circ$