

YOUR NAME: \_\_\_\_\_

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Read each problem **very carefully** before starting to solve it and do only what is asked. Each problem is worth around 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. [6 points] Consider an angle measuring  $-780^\circ$ .
  - (a) Convert it into radians.
  
  
  
  
  
  
  
  
  
  
  - (b) Find its reference angle (in degrees).
  
  
  
  
  
  
  
  
  
  
  - (c) Draw the angle in standard position (do as good a job as you can, making your drawing as clear as possible).
  
  
  
  
  
  
  
  
  
  
2. [6 points] Consider an angle measuring  $\frac{7\pi}{6}$  radians.
  - (a) Draw the angle in the standard position (same remarks as above).
  
  
  
  
  
  
  
  
  
  
  - (b) Convert the measure into degrees.
  
  
  
  
  
  
  
  
  
  
  - (c) Find its reference angle (in radians).