1. Fill in the entire Unit Circle with degrees, radians, and coordinates. (50 points)

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Given that

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1. Convert each of the following from radians to degrees: (1 point each)

2. Convert each of the following to radians: (1 point each)

315° 200° 30° -150°

3. Determine two co terminal angles for each of the following: (2 points each)

4. Find the reference angle. (1 point each)

5. Fill in the table below: (½ point each)

|  |  |  |  |
| --- | --- | --- | --- |
| Degrees | Sine | Cosine | Tangent |
| 0o |  |  |  |
| 30° |  |  |  |
| 150° |  |  |  |
| 270° |  |  |  |
| 330° |  |  |  |