**Sketch a graph of each angle. Determine the quadrant of the terminal side of the angle in standard position.**

1. -160°
2. 280°
3. 452°
4. -827°
5. 1150°
6. -455°

Determine the measure of an angle θ coterminal with the give angle that satisfies the specified condition.

1. 48°; 360° ≤ θ ≤ 720°
2. 110°; -360° ≤ θ ≤ 0°
3. -15°; 180° ≤ θ ≤ 540°
4. -250°; 360° ≤ θ ≤ 720°

Determine two different coterminal angles, one with positive measures, and one with negative measures for each angle.

1. 55° 12. -150°

13. -22° 14. 410°

Find the reference angle for each of the following

1. 125° 16. -110° 17. 400°

18. 22° 17. 245° 20. -385°

**Find the exact values of the six trig functions of an angle  whose terminal side passes through the given point.**

21.  22. 

**Find the exact value of the other five trig functions of  if  terminates in the given quadrant and has the given function value.**

23. QII,  24. QIII, 