# Activity 11.3 Trigonometric Functions and General Angles

The points given below are on the terminal side of an angle  in standard position. Evaluate the six trigonometric functions of .

1. (-12, -15)
2. 2. (1, )
3. Evaluate the six trigonometric functions for .
Sketch each angle to help you find its reference angle.
4. 
5. 
6. 
7. 

Evaluate the function without using a calculator.

1. 
2. 
3. 
4. 
5. 
6. 
7. While playing a game of volleyball, you set the ball to your teammate. You hit the ball with an initial speed of 24 feet per second at an angle of . About how far away should your teammate be to receive your set?