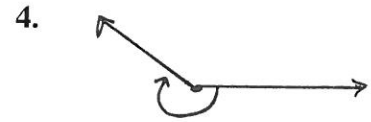
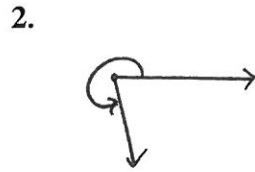


Estimate each angle to the nearest half radian.



Sketch each angle in standard position and determine the quadrant it is in.

5.  $\frac{\pi}{5}$

6.  $\frac{5\pi}{4}$

7.  $\frac{-\pi}{12}$

8.  $-1$

9.  $3.5$

10.  $5.63$

11.  $\frac{-11\pi}{9}$

12.  $\frac{-7\pi}{4}$

13.  $\frac{11\pi}{6}$

14.  $4$

Determine two coterminal angles (one positive and one negative) for each angle. Give your answer in radians.

15.  $\frac{\pi}{12}$

16.  $\frac{7\pi}{6}$

17.  $\frac{-9\pi}{4}$

18.  $\frac{8\pi}{9}$

Find the complement and supplement of each angle.

19.  $\frac{\pi}{3}$

20.  $1$