

**Answers to Pages 261-262**  
**# 1, 2, 5, 6, 11, 13, 17, 21, 23, 25**

- 1) a)  $\frac{7\pi}{4}$                       b)  $\frac{5\pi}{4}$                       c)  $\frac{\pi}{12}$                       d)  $-\frac{\pi}{4}$
- 2) a)  $-\frac{\pi}{2}$                       b)  $\frac{3\pi}{4}$                       c)  $-\pi$                       d)  $-\frac{5\pi}{4}$
- 5) a)  $-90^\circ$                       b)  $240^\circ$                       c)  $-135^\circ$                       d)  $-30^\circ$
- 6) a)  $-150^\circ$                       b)  $-360^\circ$                       c)  $225^\circ$                       d)  $-60^\circ$
- 9) a) 1.2                      b) 0.75
- 11) a) 1.66                      b) 1.92                      c) 1.66                      d) 2.08
- 13) a)  $91^\circ 40'$  &  $91.7^\circ$                       b)  $97^\circ 20'$  &  $97.4^\circ$   
c)  $69^\circ 20'$  &  $69.3^\circ$                       d)  $75^\circ 40'$  &  $75.6^\circ$
- 17) a)  $140^\circ, -220^\circ$                       b)  $300^\circ, -420^\circ$                       c)  $\frac{9\pi}{4}, -\frac{7\pi}{4}$                       d)  $\frac{4\pi}{3}, -\frac{8\pi}{3}$
- 21) a)  $0^\circ 30'$  &  $-359^\circ 30'$                       b)  $269^\circ 20'$  &  $-450^\circ 40'$   
c)  $363^\circ 21'$  &  $-356^\circ 39'$                       d)  $475^\circ 15'$  &  $-244^\circ 45'$
- 23)  $29.7^\circ + 360^\circ n$
- 25)  $12,600^\circ$  and  $219.91$