

MRS21-HW-19

Pg 423: 1, 3, 4, 5

Pg 424: 15, 16, 17

Pg 466: 2, 4

Pg 467: 13b

Pg 462: 5d

Pg 453: 16, 26

Select the correct number that corresponds to the right answer. There are more answers than questions. The answers may be repeated.

- 1) Yes
- 2) No
- 3) 1
- 4) 0
- 5) They are not the same
- 6) They are the same
- 7) 1
- 8) 2
- 9) 3
- 10) 4
- 11) 5
- 12) 6
- 13) 7
- 14) 8
- 15) Sec x increase from 1 to ∞ in the interval $[0, \frac{\pi}{2})$ and increase from $-\infty$ to -1 in the interval $(\frac{\pi}{2}, \pi]$
- 16) 30°
- 17) 37°
- 18) 45°
- 19) 77°
- 20) 127°
- 21) 0°
- 22) $\frac{\pi}{4}$

$$23) \quad \frac{\pi}{6}$$

$$24) \quad \frac{\pi}{2}$$

$$25) \quad 6\pi$$

$$26) \quad \frac{-3\pi}{4}, \frac{-\pi}{4}, \frac{\pi}{4}, \frac{3\pi}{4}$$

$$27) \quad \frac{-3\pi}{4}, \frac{3\pi}{4}$$