PRECALCULUS

Fri., Mar. 7

Inverse Trig Functions Worksheet

NO HOMEWORK COUPONS!

Tues., Mar. 11

Sec. 6.2 p. 260
16, 17, 23, 26, 27, 35, 40, 41, 44, 55

Thurs., Mar. 13

Sec. 6.2 p. 260
34, 47

Sec. 6.3 p. 266
13, 14, 16, 19, 23, 29, 33, 35, 37, 40

NO HOMEWORK COUPONS!

Portfolios Due Before Spring Break

Mon., Mar. 24

Inverse Trig Functions & Trig Equations Review

Journal Due

Wed., Mar. 26

Inverse Trig Functions & Trig Equations Test

Fri., Mar. 28

Sec. 8.5 pp. 370-371 22, 23, 27 & problems at right
Sec. 8.1 p. 342 45, 53, 60, 64
Sec. 8.2 p. 349 28, 29, 36, 39, 41, 44, 51, 53, 55

Convert to polar coordinates.

a) $(2,-2)$ b) $\left(-4\sqrt{3},-4\right)$ c) $(0,-4)$ d) $(-5,3)$ e) $(6,-2)$

Convert to rectangular coordinates.

f) $(4,210°)$ g) $(6,540°)$ h) $(3,315°)$

Tues., Apr. 1

Sec. 8.3 pp. 353-354
4, 6, 8, 12, 13, 15, 18

Sec. 8.4 p. 359
2, 5, 9, 11, 36, 40, 41, 42

Thurs., Apr. 3

Journal Due

POLAR COORDINATES & COMPLEX NUMBERS QUEST

May start next chapter.

POLAR COORDINATES & COMPLEX NUMBERS ANSWERS

Sec. 6.2 p. 260

16. $\frac{\pi}{6}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{11\pi}{6}$

26. 0°, 180°

34. 0°, 90°

40. 90°, 270°, 7.2°, 172.8°

44. 38.4°, 218.4°, 104.8°, 284.8°

Sec. 6.3 p. 266

14. $0, \frac{\pi}{3}, \pi, \frac{5\pi}{3}$

16. $0, \frac{2\pi}{3}, \frac{4\pi}{3}$

40. 0.69178217, 2.0819699

POLAR COORDINATES & COMPLEX NUMBERS ANSWERS

a) $\left(2\sqrt{2}, 315°\right)$ b) $(8, 210°)$ c) $(4, 270°)$ d) $\left(\sqrt{34}, 149°\right)$

e) $\left(2\sqrt{10}, 342°\right)$ f) $\left(-2\sqrt{3}, -2\right)$ g) $(-6, 0)$ h) $\left(\frac{3\sqrt{2}}{2}, -\frac{3\sqrt{2}}{2}\right)$

1) 147 m 2) 5.18 m