

PRECALCULUS

Fri., Feb. 25

Inverse Trig Functions Worksheet

**NO HOMEWORK
COUPONS!**

Thurs., Mar. 3

Sec. 6.2 p. 260

16, 17, 23, 26, 27, 35, 40, 41, 44, 55

Mon., Mar. 7

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!**

Wed., Mar. 9

Inverse Trig Functions & Trig Equations
Review

Portfolios Due Before Spring Break

Fri., Mar. 11

**Inverse Trig Functions &
Trig Equations Test**

Tues., Mar. 22

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

Convert to rectangular coordinates.

f) $(4, 210^\circ)$ g) $(6, 540^\circ)$ h) $(3, 315^\circ)$

Thurs., Mar. 24

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

Mon., Mar. 28

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. $0^\circ, 180^\circ$

34. $0^\circ, 90^\circ$

40. $90^\circ, 270^\circ, 7.2^\circ, 172.8^\circ$

44. $38.4^\circ, 218.4^\circ, 104.8^\circ, 284.8^\circ$

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) $(2\sqrt{2}, 315^\circ)$ b) $(8, 210^\circ)$ c) $(4, 270^\circ)$ d) $(\sqrt{34}, 149^\circ)$

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

1) 147 m

2) 5.18 m