

# PRECALCULUS

**Mon., Feb. 27**

Inverse Trig Functions Worksheet

**NO HOMEWORK  
COUPONS!**

**Wed., Mar. 1**

Sec. 6.2 p. 260

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

**Fri., Mar. 3**

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!**

**Tues., Mar. 7**

Inverse Trig Functions & Trig Equations  
Review

*Portfolios Due Before Spring Break*

**Thurs., Mar. 9**

**Inverse Trig Functions &  
Trig Equations Test**

**Mon., Mar. 20**

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)  $(3, 315^\circ)$

**Wed., Mar. 22**

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

**Fri., Mar. 24**

*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