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eoo = every other odd

These optional assignments are meant to supplement the online homework.

## **Ch. 5 The Trigonometric Functions**

### **Sx 5.1 §Trigonometric Functions of Acute Angles**

# 1-27 odds, 29-93 eoo

### **Sx 5.2 Applications of Right Triangles**

# 1 - 31 odds

### **Sx 5.3 Trigonometric Functions of Any Angle**

# 1 - 57 odds, 57 - 105 eoo

### **Sx 5.4 Radians, Arc Length, and Angular Speed**

# 1 - 65 eoo, 67 - 79 odds

### **Sx 5.5 Circular Functions: Graphs and Properties**

# 1 - 23 odds

### **Sx 5.6 Graphs of Transformed Sine and Cosine Functions**

# 1 - 43 odds

### **Chapter 5 Test p.505**

ALL

## **Ch. 6 Trigonometric Identities, Inverse Functions, and Equations**

### **Sx 6.1 Identities: Pythagorean and Sum and Difference**

# 1 - 75 eoo

### **Sx 6.2 Identities: Cofunction, Double-Angle, and Half-Angle**

# 1 - 33 odds

### **Sx 6.3 Proving Trigonometric Identities**

# 1, 2, 3, 5, 7, 11, 15, 22, 29

### **Sx 6.4 Inverses of the Trigonometric Functions**

# 1 - 67 odds

### **Sx 6.5 Solving Trigonometric Equations**

# 1 - 43 odds

### **Chapter 6 Test p.568**

ALL

## **Ch. 7 Applications of Trigonometry**

### **Sx 7.1 The Law of Sines**

# 1 - 31 odds

### **Sx 7.2 The Law of Cosines**

# 1 - 35 odds

### **Sx 7.3 Complex Numbers: Trigonometric Form**

# 1 - 75 odds

### **Sx 7.4 Polar Coordinates and Graphs**

# 1 - 69 odds

### **Sx 7.5 Vectors and Applications**

# 1 - 39 odds

## **Sx 7.6 Vector Operations**

# 1 - 81 eoo, 83, 85, 87

## **Chapter 7 Test p.643**

ALL

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