

## Chapter 5

### Section 5.2

#### Section 5.2.5

Quiz 151: False  
Quiz 152: False  
Quiz 153: False  
Quiz 154: False  
Quiz 155: True  
Quiz 156: False  
Quiz 157: False  
Quiz 158: True  
Quiz 159: False  
Quiz 160: False  
Quiz 161: True  
Quiz 162: False

#### Section 5.2.6

Exercise 5.2:

1. 3.316625
2.  $\sqrt{3}$
3. 2.012461
4. 2.166667

### Section 5.3

#### Section 5.3.5

Quiz 163: True  
Quiz 164: False  
Quiz 165: False  
Quiz 166: True  
Quiz 167: True  
Quiz 168: True  
Quiz 169: True  
Quiz 170: False  
Quiz 171: False  
Quiz 172: False  
Quiz 173: False  
Quiz 174: True

**Section 5.3.6**Exercise 5.6:  $\theta = 45^\circ$ Exercise 5.8:  $\theta = \arccos 4/\sqrt{22}$ 

Exercise 5.12:

$$\begin{bmatrix} 1/2 \\ 1/2 \end{bmatrix}.$$

Exercise 5.14:

$$\begin{bmatrix} 4/11 \\ 4/11 \\ 12/11 \end{bmatrix}.$$

Exercise 5.16:

$$\begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \end{bmatrix}.$$