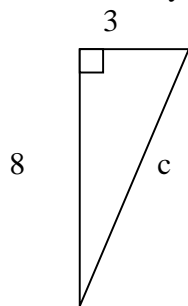


Math 1300
Homework 8
Section 2.2

1. 2.2.4
 - a. 10
 - b. 4
 - c. $2\sqrt{7}$
 - d. $\sqrt{14}$
 - e. None of the above

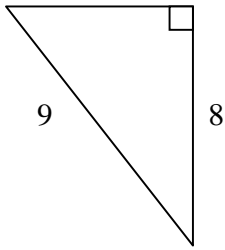
2. Use the Pythagorean Theorem to find the missing side of the given right triangle.



- a. $\sqrt{11}$
- b. 2
- c. $\sqrt{73}$
- d. $\sqrt{55}$
- e. None of the above

3. 2.2.2
 - a. $\sqrt{74}$
 - b. $2\sqrt{6}$
 - c. $2\sqrt{3}$
 - d. 3
 - e. None of the above

4. Use the Pythagorean Theorem to find the missing side of the given right triangle.



- a. $\sqrt{145}$
- b. 1
- c. 7
- d. $\sqrt{17}$
- e. None of the above

5. 2.2.8

- a. $\sqrt{6}$
- b. 10
- c. 6
- d. $2\sqrt{5}$
- e. None of the above

6. 2.2.12

- a. 13
- b. $\sqrt{13}$
- c. $5\sqrt{17}$
- d. $\sqrt{85}$
- e. None of the above

7. 2.2.14

- a. $\frac{\sqrt{145}}{12}$
- b. $\frac{\sqrt{433}}{12}$
- c. $\frac{\sqrt{433}}{144}$
- d. $\frac{\sqrt{145}}{144}$
- e. None of the above

8. 2.2.16

a. (2,4)

b. (3,6)

c. $\left(\frac{14}{2}, 2\right)$

d. (2,3)

e. None of the above

9. 2.2.18

a. $\left(2, \frac{-9}{2}\right)$

b. $\left(\frac{11}{2}, -4\right)$

c. (5,-4)

d. (5,-2)

e. None of the above

10. 2.2.22

a. $\left(2, \frac{-1}{2}\right)$

b. $\left(2, \frac{2}{3}\right)$

c. $\left(\frac{5}{2}, -\frac{2}{3}\right)$

d. $\left(\frac{-23}{12}, \frac{-17}{4}\right)$

e. None of the above