Pythagorean Theorem - Basic
Solve for x

#1

14

48

x

#2

10

x

6

#3

x

16

12

#4

x

8

10

#5

13

5

x

#6

32

x

24

7. $a =$ _____ ; $b = 35$; $c = 37$

8. $a = 7$; $b =$ _____ ; $c = 25$
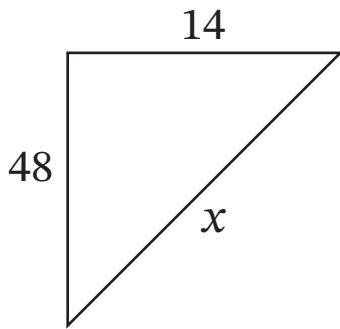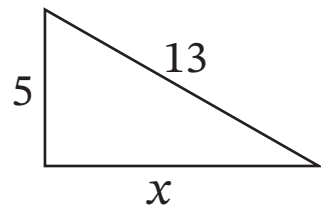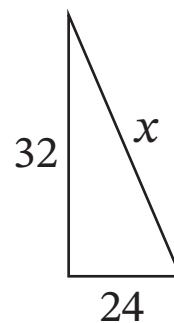
9. $a = 12$; $b = 16$; $c =$ _____

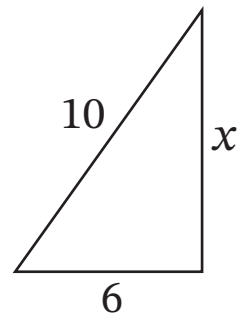**10.** $a =$ _____ ; $b = 24$; $c = 26$

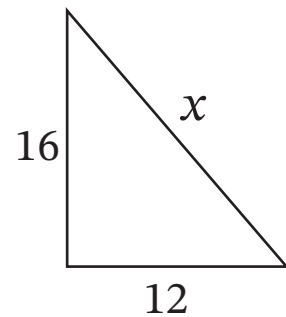Name: _____   Score: ____ /10

Date: _____

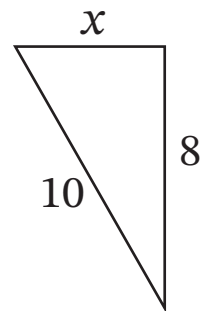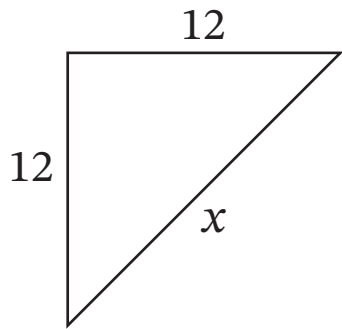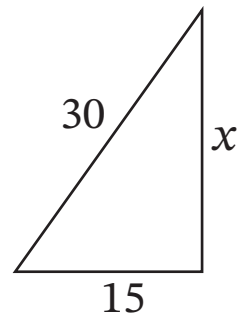# Pythagorean Theorem - Advanced
Solve for x

#1

12

12
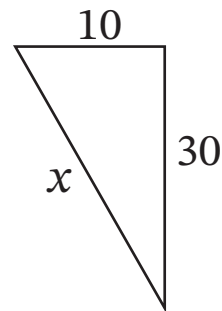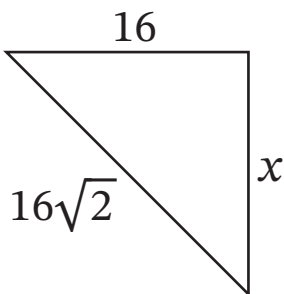
x

#2

30

x

15

#3

x

16

8

#4

10

x

30

#5

16

$16\sqrt{2}$

x

#6

x

8

4

7. $a = 13$; $b =$ _____ ; $c = 13\sqrt{2}$

8. $a = 7$; $b =$ _____ ; $c = 14$

9. $a = 6$; $b = 8$; $c =$ _____

10. $a =$ _____ ; $b = 8\sqrt{3}$; $c = 16$