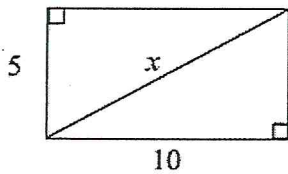
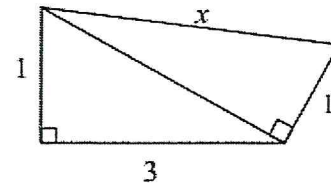


1 Find the value of x in these diagrams.

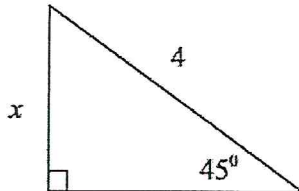
(a)



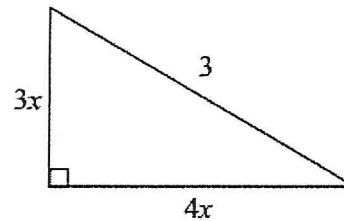
(b)



(c)



(d)



Decide whether the numbers can represent the side lengths of a triangle (2 smaller side must be greater than the 3rd). If they can, classify the triangle as *right*, *acute*, or *obtuse*.

29) 5, 12, 13

30) $\sqrt{8}$, 4, 6

31) 20, 21, 28

32) 15, 36, 39

33) $\sqrt{13}$, 10, 12

34) 14, 48, 50

35) 6, 8, 10

36) 5, 7, 9

37) 8, 9, 10

38) 10, 12, 30

39) 16, 30, 34

40) 18, 34, 45

Graph points A , B , and C . Connect the points to form $\triangle ABC$. Decide whether $\triangle ABC$ is *right*, *acute*, or *obtuse*.

41) $A(-2, 2)$, $B(6, 4)$, $C(-4, 10)$

42) $A(0, 5)$, $B(3, 6)$, $C(5, 1)$

43) $A(4, 1)$, $B(7, -2)$, $C(2, -4)$

