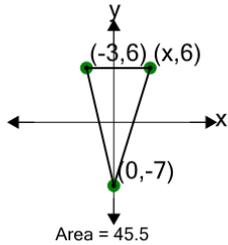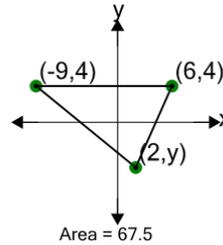# Cartesian Grid - Area (Acute Triangle) to Missing Coordinate - Including Negative

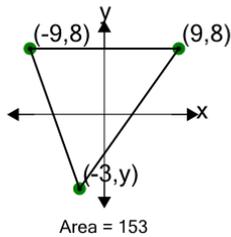Name

1

Find the missing value for x if the triangle has an area of 45.5

(-3,6) (x,6)
(0,-7)
Area = 45.5

A	9	B	7
C	0	D	4
E	-1	F	5

2

Find the missing value for y if the triangle has an area of 67.5

(-9,4) (6,4)
(2,y)
Area = 67.5

A	-8	B	-1
C	-5	D	3
E	-6	F	4

3

Find the missing value for y if the triangle has an area of 153

(-9,8) (9,8)
(-3,y)
Area = 153

A	-16	B	-18
C	-14	D	-9
E	-3	F	-5

4
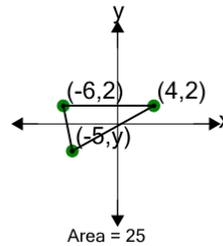
Find the missing value for y if the triangle has an area of 25

(-6,2) (4,2)
(-5,y)
Area = 25

A	-2	B	-5
C	-9	D	-3
E	4	F	1

5
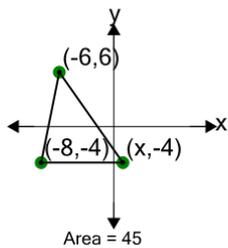
Find the missing value for x if the triangle has an area of 45

(-6,6)
(-8,-4) (x,-4)
Area = 45

A	7	B	-3
C	-1	D	-8
E	0	F	1

6
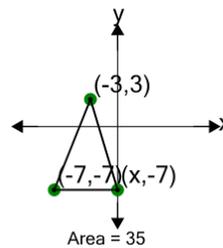
Find the missing value for x if the triangle has an area of 35

(-3,3)
(-7,-7)(x,-7)
Area = 35

A	9	B	-2
C	4	D	6
E	7	F	0

7
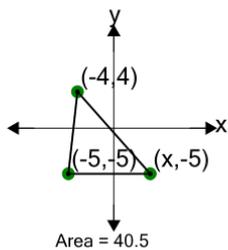
Find the missing value for x if the triangle has an area of 40.5

(-4,4)
(-5,-5) (x,-5)
Area = 40.5

A	4	B	11
C	2	D	-6
E	7	F	9

8

Find the missing value for x if the triangle has an area of 52.5

(-7,5) (x,5)
(5,-2)
Area = 52.5

A	0	B	5
C	8	D	10
E	1	F	6