# Geometry Homework #1
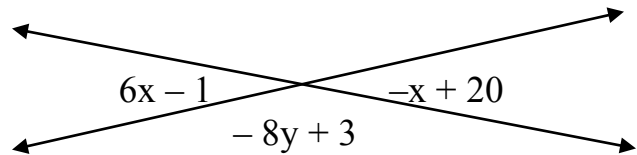
1) Find x, y, and the sizes of all three angles in the following drawing:

$6x - 1$     $-x + 20$

$- 8y + 3$

2) Find x and the sizes of all three angles in the following drawing:

$5x - 1$

$3x - 4$     $2x + 5$
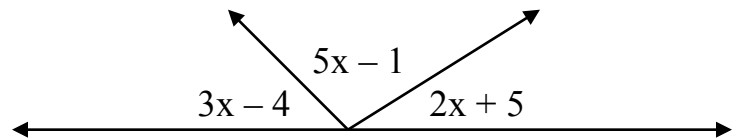
3) Find a and the sizes of both angles in the following drawing:
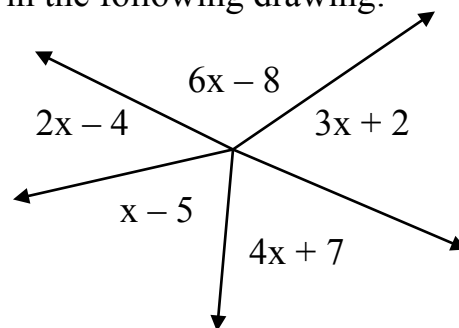
$5a - 17$

$-3a + 247$
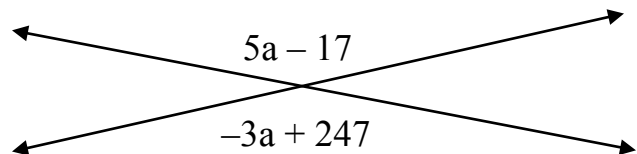
4) Find x and the sizes of both angles in the following drawing:

$5x - 6$

$2x + 5$
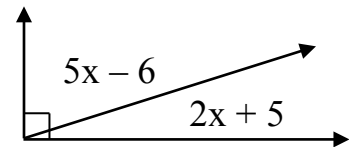
5) Find x and the sizes of all five angles in the following drawing:
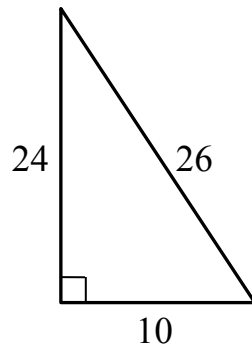
$6x - 8$

$2x - 4$     $3x + 2$
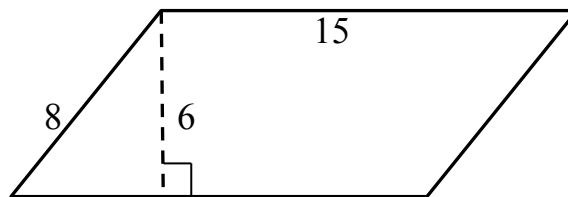
$x - 5$

$4x + 7$

6) Find the perimeter and area of the following rectangle:
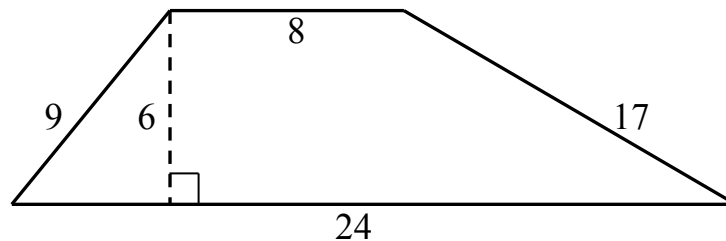
6

13

7) Find the perimeter and area of the following triangle:

24

26

10

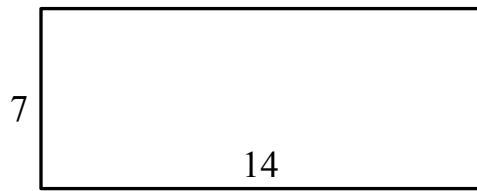8) Find the perimeter and area of the following parallelogram:
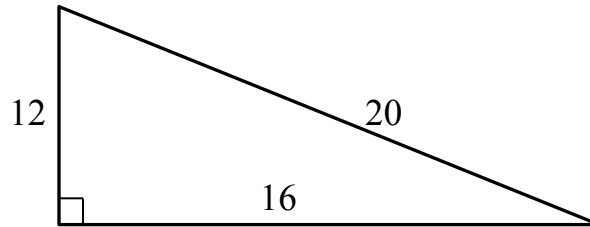
15

8

6

9) Find the perimeter and area of the following trapezoid:
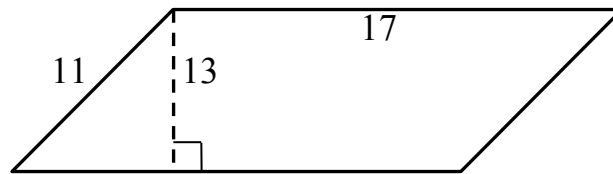
8

9

6

17

24

10) Find the perimeter and area of the following rectangle:



7

14

11) Find the perimeter and area of the following triangle:



12

20

16

12) Find the perimeter and area of the following parallelogram:



17

11

13

13) Find the perimeter and area of the following trapezoid:



15

13

10

21

37

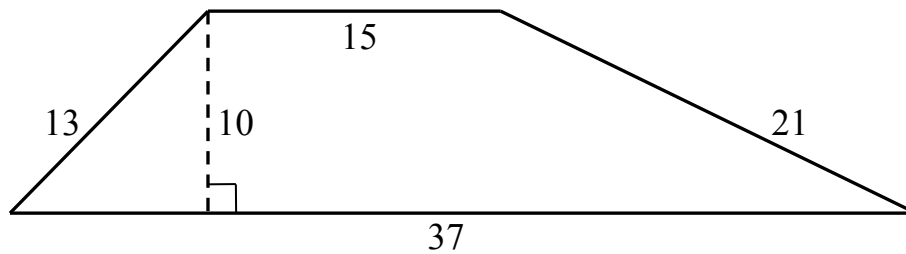14) Find the perimeter and area of the following rectangle:



15) Find the perimeter and area of the following triangle:



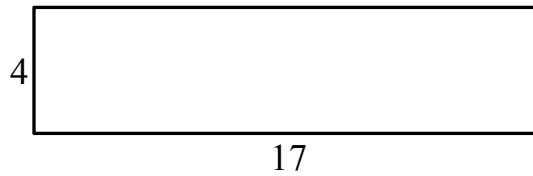16) Find the perimeter and area of the following parallelogram:



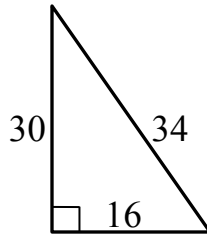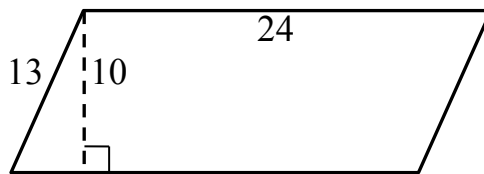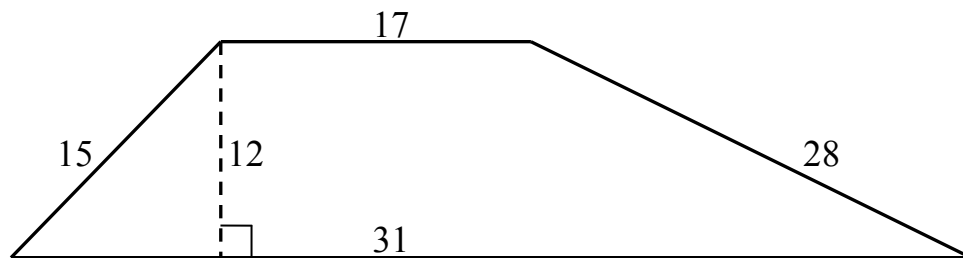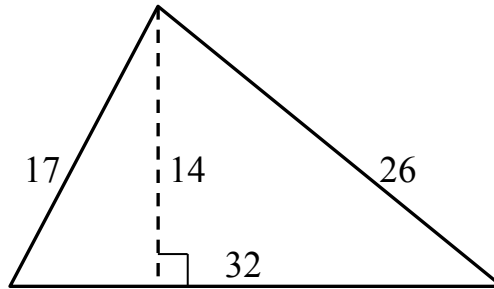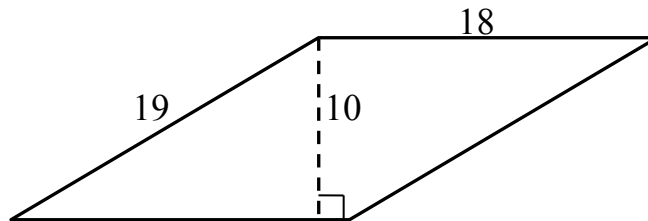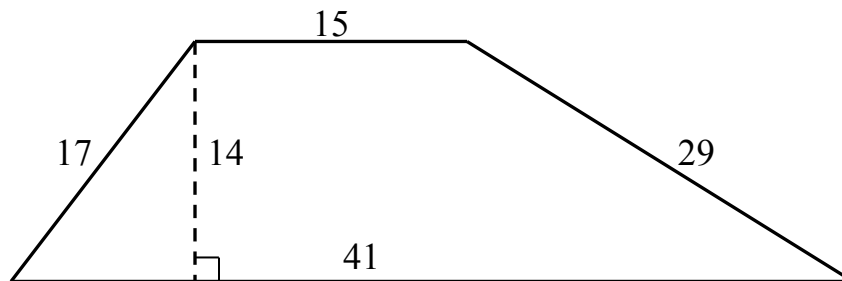17) Find the perimeter and area of the following trapezoid:

18) Find the perimeter and area of the following triangle:

17    14    26

32

19) Find the perimeter and area of the following parallelogram:

18

19    10

20) Find the perimeter and area of the following trapezoid:

15

17    14    29

41