

Simplify the following expressions.

1)  $4(5x + 2) - 7x$

2)  $-5x + 2(12 - 3x)$

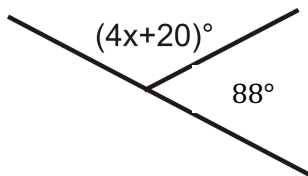
3)  $7x - 6 - 2(5x - 8)$

4)  $3x - 2(4x - 12)$

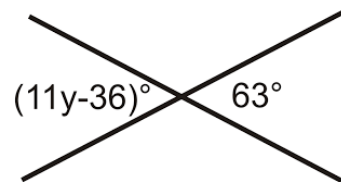
5) Solve for x:  $-4(2x - 3) = -5$

6) Solve for x:  $\frac{2}{3}x + \frac{5}{2} = \frac{4}{3}$

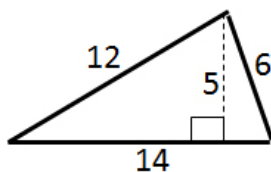
7) What is the value of x?



8) What is the value of y?



9) What is the area of this shape?  
Assume all measurements are in inches.



10) What is the area of this shape?  
Assume all measurements are in centimeters.

