Homework 3/15/13

Solve each equation. Check your solution.

1. $13x + 2 = 4x + 38$

2. $\frac{2}{3} + \frac{1}{6}q = \frac{5}{6}q + \frac{1}{3}$

3. $6(n + 4) = -18$

4. $7 = -11 + 3(b + 5)$

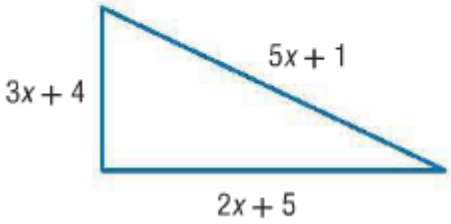
5. $5 + 2(n + 1) = 2n$

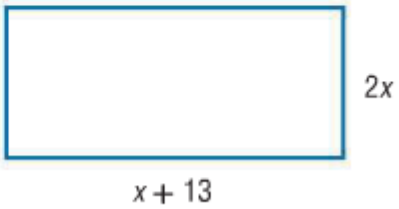
6. $7 - 3r = r - 4(2 + r)$

7. $14v + 6 = 2(5 + 7v) - 4$

8. $5h - 7 = 5(h - 2) + 3$

9. **MULTIPLE CHOICE** Find the value of x so that the figures have the same perimeter.





A 4 **B** 5 **C** 6 **D** 7

58. Which is the best estimate for the number of minutes on the calling card advertised below?

A 10 min
B 20 min
C 50 min
D 200 min

48. A hang glider, 25 meters above the ground, starts to descend at a constant rate of 2 meters per second. Which equation shows the height h after t seconds of descent?

A $h = 25t + 2t$
B $h = -25t + 2$
C $h = 2t + 25$
D $h = -2t + 25$