***Classwork 5.6***

Solve the following equations showing all of your work. Box your final answers. You are welcome to reference any of your own materials as you solve these problems.

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| 1.) 5x – 8 = 254x  | 2.) log3(3x) = log3(x + 6)  |
| 3.) 13x = 6 | 4.) log5(x + 2) = 3 |
| 5.) 12x+4 = 15 | 6.) log2(x + 6) - log2(x – 5) = 4 |
| 7.) 8ex - 1 = 10 | 8.) 14 = $ln\left(\frac{x}{3}\right)$ |