

Math Battle 1

1. Open parenthesis and simplify: $(b + 2)(b^2 + ab + 2 + a) - 2a(b - a + 1) =$
2. Solve the equation: $-|5(6x - 2) - 3(20x - 8) - (7x - 16)| = -28$
3. November 22 of 2015 is a Sunday. In which month do we find the next Sunday 22nd?
4. Srihan had twice as many chocolate ice cream cones as vanilla ice cream cones. After eating 10 cones of each kind (not on the same day hopefully ☺), he now has three times as many chocolate ice cream cones as vanilla ice cream cones. How many chocolate ice cream cones did he originally have? **Please solve using an equation. Guess and check will not get the full credit.**
5. $\frac{x+2}{x-1} - 2 = 3$
6. Captain John, a pirate, can drink a barrel of rum in 14 days. If he drinks the barrel together with pirate Bill, they will finish the barrel in 10 days. How long would it take Bill to drink the barrel of rum alone?