

Name:

Math 082 Practice
Test #1

① Simplify: $2x + 4 + 8x - 6 =$

② Simplify: $3(-4x - 2) + 4$

③ Solve each equation for x:

③ $-4x = 16$

④ $2x - 5 = -7$

⑤ $-3x + 4x - 2 = 12$

⑥ $2x - 5 = 4x - 23$

⑦ $2(3x - 5) = 8x + 24$

⑧ Solve for a:

$$3a + 8b = 4c$$

⑨ Solve for b:

$$\frac{5b}{2} - 2c = 4c + 5$$

⑩ Solve for x & graph the solution

$$-3x + 4 > 16$$

⑪ Solve & graph: $-18 < 2x - 6 \leq -2$

⑫ Simplify: $\frac{1}{2} \left(\frac{2}{3}x - \frac{4}{5} \right) + \frac{3}{5}$

⑬ Solve & graph: $-4x - 8 > 12$ or $3x + 2 > 11$