

Brown Belt Warm-Up
Wednesday October 25, 2006

Solve the following algebraic equations.

1. $\frac{2}{5}x = 10$

2. $2x + 5 = 11$

3. $6x - 7 = -19$

4. $5(x + 2) + 6 = 31$

5. $2(x - 2) - 3x = -8$

6. $2(2x + 5) - 4(x - 5) = 30$

$$7. 3(5 - 2x) = 4(3x - 2) + 5$$

$$8. \frac{4}{3x} = 8$$

$$9. \frac{12}{x-2} = 6$$

$$10. \frac{3}{x} + \frac{2}{3x} = 11$$

$$11. \frac{2}{x-2} + \frac{1}{x+2} = 2$$