

HW: pg. 50 # 3, 8, 12, 13, 16, 18, 21, 25, 27

$$3. \frac{x}{3}(3x-6) - (6-4x); x=5$$

$$\boxed{29}$$

$$8. 5(a-2b) - 2(a-2b)$$

$$\boxed{2a-4b}$$

$$12. 5(3w-2) - 7 = 23$$

$$\boxed{w = \frac{8}{3}}$$

$$13. t + 2(3-2t) = 2t + 9$$

$$\boxed{t = 5}$$

$$16. ax - bx = 2a$$

$$\boxed{x = \frac{2a}{a-b}; a \neq b}$$

$$18. \frac{x-5}{a} + 1 = b$$

$$\boxed{x = a(b-1) + 5; a \neq 0}$$

$$21. \text{ bicycle} = \boxed{\$138}$$

$$25. 7t > 4t + 3(1-t)$$

$$\boxed{t > \frac{1}{2}}$$

$$27. 2 < 10 - 4d < 6$$

$$\boxed{1 < d < 2}$$