Warm-up:

Solve for x:
$$\frac{3}{2}x - 15 = -31$$

Home work review 31,32

Combine Like Terms:

$$\frac{9n - 4 + |n| = 16}{10n - 4 = 16}$$

$$\frac{10n - 4 = 16}{10n = 20}$$

$$\frac{10n = 20}{10}$$

$$n = 2$$

Use the Distributive Property:

$$6w + 5(w + -2) = 23$$

$$6w + 5w + -10 = 23$$

$$11w + -10 = 23$$

$$11w = 33$$

$$w = 3$$

Avoid the Distributive Property:

$$\frac{\frac{1}{3}(m+6) = 4}{\frac{1}{3}}$$

$$M+6 = 12$$

$$-6 - 6$$

$$4 \times \frac{3}{1} = \frac{12}{1} = 12$$

$$M = 6$$

$$47.5 (6m - 11) = 25.17$$

 $6m - 11 = 85$
 $6m = 96$
 $m = 18$

4.
$$-31 = 8 + 6p + 7p$$

5. $9 + 4(x + 1) = 25$

6. $7(d - 5) + 12 = 5$

7. $10a + 3(a - 5) = 15$

8. $19a - 3(a - 6) = 66$

9. $4(x - 8) = 7$

9. $4(x - 8) = 7$

5.
$$9 + 4(x + 1) = 25$$

 $9 + 4x + 25$
 $4x + 13 = 15$
 -13
 -13
 $4x + 12$
 $-3(a - 6) = 66$

$$9.4.\frac{1}{4}(x-8) = 7.4$$

$$X-8=28$$

$$+8=28$$

10.
$$\frac{1}{3}(d+9) = -12$$
 11. $\frac{3}{4}(n+3) = 9$

11.
$$\frac{3}{4}(n+3) = 9$$

12.
$$-\frac{5}{2}(w-1) = 15$$

Homework: p. 150, 3 - 54 by 3