

Homework 1-4

(1-1c, 1-4a) Solve each equation.

1) $n^2 + 4n + 3 = 0$

2) $b^2 - 4b + 3 = 0$

3) $b^2 - b = 0$

4) $x^2 + 3x - 10 = 0$

5) $-\frac{7}{2} = -\frac{15}{4}m + \frac{1}{4}m$

6) $\frac{19}{20} = \frac{9}{4}k + \frac{3}{5}k$

7) $\frac{11}{16} = -\frac{3}{4}b + \frac{3}{4} + \frac{2}{3}b$

8) $\frac{2}{3}r + \frac{8}{3} + \frac{5}{4} = \frac{55}{12}$

9) $v^2 + 11v = -28$

10) $m^2 = 5 + 4m$

11) $p^2 - 3 = 2p$

12) $n^2 + 24 = -10n$

$$13) 6x^2 + 29x + 20 = 0$$

$$14) 7n^2 + 50n + 7 = 0$$

$$15) 6n^2 + 21n - 12 = 0$$

$$16) 2p^2 - 3p = 0$$

$$17) -8(a + 8) = -40 + 4a$$

$$18) -3(m - 6) = -36 + 6m$$

$$19) 7k^2 + 12 = -20k$$

$$20) 4n^2 + 14n = -6$$

$$21) 3n^2 - 13n = -14$$

$$22) 5k^2 - 36k = -36$$

$$23) 2x + 7 = 9 + 3x$$

$$24) -4n + 11 = -7n - 8n$$

$$25) -6x + 7x - 14 = 3x - 8 - 2$$

$$26) -4 + x - 2 + 2x = -5x + 7x$$