

16-03-10-T7 Review

Solve each equation.

1) $-3(n + 2) + 2 = 2(1 - n)$

2) $-3(v - 1) = -2(v - 2)$

3) $-3(-2b + 3) = 11 + 6b$

4) $2r - 2r = -(-2 + 2r) - (1 - r)$

5) $3(r - 3) + r = -(3r + 2)$

6) $-x - 3(1 - 3x) = -3(1 - 2x) + 3x$

$$7) 1 + 3(3 - a) = -2(a - 2)$$

$$8) 3m - 3(2 + m) = 2(1 - 2m)$$

$$9) -(x - 3) = 3(x - 2) - x$$

$$10) 3(3n + 1) = 3(2n + 2)$$

$$11) \frac{13}{3} - 3\frac{2}{3}x = \frac{3}{2}\left(\frac{4}{3}x + 1\right)$$

$$12) -\frac{20}{3} + \frac{3}{2}m = -\frac{7}{2}\left(-m + \frac{4}{3}\right)$$

$$13) -\left(-\frac{7}{2}n + 1\right) = -\frac{44}{3} - 3\frac{1}{3}n$$

$$14) -\frac{5}{2} + 2k = -3\left(k + \frac{5}{3}\right)$$

$$15) -\frac{5}{2}\left(-r - \frac{3}{2}\right) + 3 = \frac{11}{12} - r$$

$$16) -\frac{5}{2}x - \frac{3}{2}\left(-\frac{5}{3}x + \frac{4}{3}\right) = -1 + x$$

$$17) 2\frac{1}{2}x + \frac{19}{12} = 1 + \frac{4}{3}\left(\frac{1}{2}x + \frac{5}{2}\right)$$

$$18) -\frac{4}{3}x + \frac{29}{12} = -3\left(\frac{3}{2}x - \frac{4}{3}\right)$$

$$19) -\frac{2}{9} + \frac{1}{3}p = \frac{2}{3}\left(p - \frac{3}{2}\right)$$

$$20) \frac{5}{3}n - \left(\frac{5}{3}n - \frac{8}{3}\right) = -4 - 2n$$

$$21) -\frac{3}{2}x - \frac{11}{3}\left(x + \frac{1}{2}\right) = -\frac{7}{3}\left(\frac{3}{2}x + \frac{7}{3}\right)$$

$$22) 2\left(a + \frac{2}{3}\right) - \left(a - \frac{1}{2}\right) = -a + a$$

$$23) -3 - \frac{3}{2}\left(k - \frac{3}{2}\right) = -\frac{3}{2}\left(k + \frac{1}{3}\right)$$

$$24) \frac{2}{3}n - \left(2n + \frac{5}{3}\right) = \frac{4}{3}\left(n - \frac{7}{3}\right)$$

$$25) 2\left(-\frac{8}{3}v - \frac{3}{2}\right) = -\frac{4}{3}\left(\frac{5}{3}v + \frac{3}{2}\right) + \frac{4}{3}$$

$$26) 2\left(m - \frac{3}{2}\right) = -\frac{3}{2}\left(-\frac{10}{3}m + 1\right)$$

$$27) 2 + \frac{5}{2} \left(-\frac{5}{3}x + \frac{3}{2} \right) = \frac{8}{3} \left(-\frac{3}{2}x + \frac{3}{2} \right)$$

$$28) -\frac{7}{2} \left(\frac{4}{3}r + \frac{5}{3} \right) = \frac{2}{3} \left(\frac{1}{2}r + 1 \right)$$

$$29) \frac{5}{3}x + \frac{1}{2}x = -\frac{2}{3} \left(x + \frac{5}{3} \right) + \frac{4}{3} \left(\frac{5}{2}x + \frac{8}{3} \right)$$

$$30) -\frac{1}{3} \left(\frac{5}{3}n - \frac{3}{2} \right) - \frac{5}{3} \left(-\frac{5}{2}n + 1 \right) = \frac{1}{3}n + \frac{5}{2}n$$

$$31) 3(2.1 - 2.m) - 1.m = 33.34$$

$$32) -2.7(2.7 + 3n) = -31.5$$

