

0.4

1) $p + 1 + q - m$, use $m = 1, p = 3, q = 4$

$$\begin{aligned} & \underline{(3) + 1} + (4) - (1) \\ & \underline{4 + (4)} - (1) \\ & \underline{8 - (1)} \\ & 7 \end{aligned}$$

3) $p - \frac{pq}{6}$, use $p = 6, q = 5$

$$\begin{aligned} & (6) - \frac{\cancel{(6)}(5)}{\cancel{6}} \\ & \underline{(6) - (5)} \\ & 1 \end{aligned}$$

5) $c^2 - (a - 1)$, use $a = 3, c = 5$

$$\begin{aligned} & (5)^2 - \underline{[(3) - 1]} \\ & \underline{(5)^2} - [2] \\ & \underline{25 - [2]} \\ & 23 \end{aligned}$$

7) $5j + \frac{kh}{2}$, use $h = 5, j = 4, k = 2$

$$\begin{aligned} & 5(4) + \frac{\cancel{(2)}(5)}{\cancel{2}} \\ & \underline{5(4)} + 5 \\ & \underline{20 + 5} \\ & 25 \end{aligned}$$

9) $\frac{4-(p-m)}{2} + q$, use $m = 4, p = 6, q = 6$

$$\begin{aligned} & \frac{4 - \underline{[(6) - (4)]}}{2} + (6) \\ & \frac{\underline{4 - [2]}}{2} + (6) \\ & \frac{2}{\underline{2}} + 6 \\ & 1 + 6 = 7 \end{aligned}$$

11) $m + n + m + \frac{n}{2}$, use $m = 1, n = 2$

$$\begin{aligned} & (1) + (2) + (1) + \frac{(2)}{\underline{2}} \\ & \underline{(1) + (2)} + (1) + 1 \\ & \underline{3 + (1)} + 1 \\ & \underline{4 + 1} \\ & 5 \end{aligned}$$

13) $q - p - (q - 1 - 3)$, use $p = 3, q = 6$

$$\begin{aligned} & (6) - (3) - \underline{[(6) - 1] - 3} \\ & (6) - (3) - \underline{[5 - 3]} \\ & \underline{(6) - (3)} - [2] \\ & \underline{3 - [2]} \\ & 1 \end{aligned}$$

15) $y - [4 - y - (z - x)]$, use $x = 3, y = 1, z = 6$

$$\begin{aligned} & (1) - \{4 - (1) - \underline{[(6) - (3)]}\} \\ & (1) - \{4 - (1) - [3]\} \\ & (1) - \{3 - [3]\} \\ & \underline{(1) - \{0\}} \\ & 1 \end{aligned}$$

17) $k \times 3^2 - (j + k) - 5$, use $j = 4, k = 5$

$$\begin{aligned} & (5)3^2 - \underline{[(4) + (5)]} - 5 \\ & (5)\underline{3^2} - [9] - 5 \\ & (5)\underline{9} - [9] - 5 \\ & \underline{45 - [9]} - 5 \\ & \underline{36 - 5} \\ & 31 \end{aligned}$$

19) $zx - \left(z - \frac{4+x}{6}\right)$, use $x = 2, z = 6$

$$\begin{aligned} & (6)(2) - \left[(6) - \frac{4+(2)}{6}\right] \\ & (6)(2) - \left[(6) - \frac{6}{\underline{6}}\right] \\ & (6)(2) - \underline{[(6) - 1]} \\ & \underline{(6)(2)} - [5] \\ & \underline{12 - [5]} \\ & 7 \end{aligned}$$

21) $r - 9 + 10$

$$r + 1$$

23) $n + n$

$$2n$$

25) $8v + 7v$

$$15v$$

$$27) \begin{array}{l} -7x - 2x \\ -9x \end{array}$$

$$29) \begin{array}{l} k - 2 + 7 \\ k + 5 \end{array}$$

$$31) \begin{array}{l} x - 10 - 6x + 1 \\ -5x - 9 \end{array}$$

$$33) \begin{array}{l} m - 2m \\ -m \end{array}$$

$$35) \begin{array}{l} 9n - 1 + n + 4 \\ 10n + 3 \end{array}$$

$$37) \begin{array}{l} -8(x - 4) \\ -8x + 32 \end{array}$$

$$39) \begin{array}{l} 8n(n + 9) \\ 8n^2 + 72n \end{array}$$

$$41) \begin{array}{l} 7k(-k + 6) \\ -7k^2 + 42k \end{array}$$

$$43) \begin{array}{l} -6(1 + 6x) \\ -6 - 36x \end{array}$$

$$45) \begin{array}{l} 8m(5 - m) \\ 40m - 8m^2 \end{array}$$

$$47) \begin{array}{l} -9x(4 - x) \\ -36x + 9x^2 \end{array}$$

$$49) \begin{array}{l} -9b(b - 10) \\ -9b^2 + 90b \end{array}$$

$$51) \begin{array}{l} -8n(5 + 10n) \\ -40n - 80n^2 \end{array}$$

$$53) \begin{array}{l} 9(b + 10) + 5b \\ 9b + 90 + 5b \\ 14b + 90 \end{array}$$

$$55) \begin{array}{l} -3x(1 - 4x) - 4x^2 \\ -3x + 12x^2 - 4x^2 \\ 8x^2 - 3x \end{array}$$

$$57) \begin{array}{l} -4k^2 - 8k(8k + 1) \\ -4k^2 - 64k^2 - 8k \\ -68k^2 - 8k \end{array}$$

$$59) \begin{array}{l} 1 - 7(5 + 7p) \\ 1 - 35 - 49p \\ -49 - 49p \end{array}$$

$$61) \begin{array}{l} -10 - 4(n - 5) \\ -10 - 4n + 20 \\ -4n + 10 \end{array}$$

$$63) \begin{array}{l} 4(x + 7) + 8(x + 4) \\ 4x + 28 + 8x + 32 \\ 12x + 60 \end{array}$$

$$65) \begin{array}{l} -8(n + 6) - 8n(n + 8) \\ -8n - 48 - 8n^2 - 64n \\ -8n^2 - 72n - 48 \end{array}$$

$$67) \begin{array}{l} 7(7 + 3v) + 10(3 - 10v) \\ 49 + 21v + 30 - 100v \\ -79v + 79 \end{array}$$

$$69) \begin{array}{l} 2n(-10n + 5) - 7(6 - 10n) \\ -20n^2 + 10n - 42 + 70n \\ -20n^2 + 80n - 42 \end{array}$$

$$71) \begin{array}{l} 5(1 - 6k) + 10(k - 8) \\ 5 - 30k + 10k - 80 \\ -20k - 75 \end{array}$$

$$73) \begin{array}{l} (8n^2 - 3n) - (5 + 4n^2) \\ 8n^2 - 3n - 5 - 4n^2 \\ 4n^2 - 3n - 5 \end{array}$$

$$75) \begin{array}{l} (5p - 6) + (1 - p) \\ 5p - 6 + 1 - p \\ 4p - 5 \end{array}$$

$$\begin{aligned} 77) (2 - 4v^2) + (3v^2 + 2v) \\ 2 - 4v^2 + 3v^2 + 2v \\ -v^2 + 2v + 2 \end{aligned}$$

$$\begin{aligned} 79) (4 - 2k^2) + (8 - 2k^2) \\ 4 - 2k^2 + 8 - 2k^2 \\ -4k^2 + 12 \end{aligned}$$

$$\begin{aligned} 81) (x^2 - 8) + (2x^2 - 7) \\ x^2 - 8 + 2x^2 - 7 \\ 3x^2 - 15 \end{aligned}$$