

۱۸,۷۵

نام و نام خانوادگی (همراه/پدر/مادر) پاسخنامه تشریحی تکلیف شماره کلاس <i>پایه نهم</i>	
$\frac{-\Delta}{f_a} = 7 \rightarrow \frac{-(b^2 - 12)}{-4} = 7 \rightarrow b^2 + 12 = 28 \rightarrow b = \boxed{\pm 4}$	۱
$f(x) = x^4 + 2x^2 + 3 = t^2 + 2t + 3 \rightarrow \Delta < 0 \rightarrow \boxed{\text{ریشه ندارد}}$ $f(x) = \overbrace{(x^2 - 1)^2}^+ - 2(x^2 - 1) - 10 \rightarrow t^2 - 2t - 10 = (t - 5)(t + 3)$ $t = 5 \rightarrow x^2 = -1 \text{ غلط}$ $t = -3 \rightarrow x^2 = 7 \rightarrow x = \boxed{\pm \sqrt{7}}$	۲
$f(x^2 - 14x + m) = 0 \rightarrow p: f = x + (x + 2) \rightarrow x = \boxed{1} \text{ و } x + 2 = \boxed{3}$ اگر یکی از ریشه ها ۱ باشد، جمع ضرایب صفر شود $\downarrow$ $f - 14 + m = 0 \rightarrow \boxed{m = 12}$ $f(x^2 - 14x + 12) = 0 \rightarrow \Delta > 0 \checkmark$	۳
$3x^2 - 4x + m - 1 = 0 \text{ و } 2a - B = f \rightarrow 2a = B + f \rightarrow a = \frac{B + f}{2}$ $p: 2 = B + \frac{B + f}{2} = \frac{3B + f}{2} = 2 \rightarrow B = 0, a = 2$ $S: 0 \times 2 = 0 \rightarrow \frac{m - 1}{2} = 0 \rightarrow \boxed{m = 1}$ $3x^2 - 4x = 0 \rightarrow \Delta > 0 \checkmark$	۴
$\frac{m^2 - 2}{-m} = 1 \rightarrow m^2 + m - 2 = 0 = (m + 2)(m - 1) \rightarrow m = \boxed{-2} \rightarrow \Delta = 0 \rightarrow \text{غلط}$	۵

$$x^r - mx + r = 0$$

$$\left. \begin{array}{l} aB = r \\ aB^r = f \end{array} \right\} B = \frac{f}{r} \rightarrow a = \frac{q}{f}$$

$$S = \frac{m}{1} = \frac{q}{f} + \frac{f}{r} = \frac{rV + 1q}{1r} = \boxed{\frac{fV}{1r}}$$

$$2x^r - \frac{fV}{1r} + r = 0 \checkmark$$

1, 10

6

$$x^r - fmx + m = 0 \rightarrow p = x + rx = f \rightarrow x = 1 \text{ و } rx = r$$

$$S = x, x_r = 1 \times r = r \rightarrow \boxed{m = r}$$

$$2x^r - fx + r = 0 \checkmark$$

1, 10

7

$$a^r + \frac{1}{a^r}$$

$$(a)^r + \left(\frac{1}{a}\right)^r \rightarrow \left(a + \frac{1}{a}\right) \left(a^r + \frac{1}{a^r} - r\right) \rightarrow a + \frac{1}{a} = \frac{a^r + r}{a} = \frac{Va}{a} = v$$

$$a^r + \frac{1}{a^r} \rightarrow \frac{a^r + 1}{a^r} = \frac{(a^r + r)^r}{a^r} - f = 49 - f = 40$$

$$(a)^r + \left(\frac{1}{a}\right)^r = V_x (f - r) = \boxed{30}$$

5

8

$$h(t) = -10t^r + 20t = -10t(t - 2) = 0 \rightarrow t = 0 \rightarrow \text{في } t = 0 \text{ ع}$$

$$\rightarrow \boxed{t = 2} \rightarrow \text{في } t = 2 \text{ ع}$$

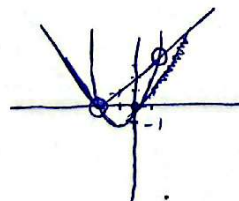
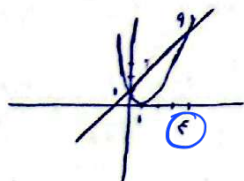
5

9

$$-\frac{b}{r} = \frac{a}{r} \rightarrow f\left(\frac{a}{r}\right) = -\frac{14a}{r} + 14a = \frac{14a}{r} = \boxed{42, 0}$$

$$(n-1)^r = rx + 1 \rightarrow \boxed{0, 9}$$

$$x, x^r + rx = |x + r| \rightarrow \boxed{-r, 9}$$



1, 10

10