

$$x^m + x = p \rightarrow x = 1$$

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$$f(p) + f(1) = 1 + v = \boxed{\Lambda}$$

5)

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$$f(x) = x^m - 9x^r + 12x = (x-p)^m + \Lambda$$

$$g(x) = x^m + 9x + 2v = (x+p)^m - 2v$$

$$\frac{g(\sqrt{v}-p)}{f(\sqrt{v}+p)} = \frac{(\sqrt{v}-p)^m - 2v}{(\sqrt{v}+p)^m + \Lambda} = \frac{-2v}{10} = \boxed{-\frac{1}{5}}$$

5)

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$$\sqrt{x+f}\sqrt{x-f} + \sqrt{x-f}\sqrt{x-f} = \sqrt{(\sqrt{x-f}+p)^2} + \sqrt{(\sqrt{x-f}-p)^2} = p\sqrt{x-f}$$

$$a + b\sqrt{x+c} = p\sqrt{x-f}$$

$$\left. \begin{array}{l} a=0 \\ b=p \\ c=-f \end{array} \right\} \frac{a+b}{c} = \boxed{-\frac{1}{p}}$$

5)

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$$f(x) = \left\{ (p, -f), \left(0, \frac{p}{p}\right) \right\}$$

$$\frac{g}{f} = \left\{ \left(p, -\frac{1}{p}\right), \left(0, 9\right) \right\}$$

5)

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$$f(px) = \left\{ \left(\frac{1}{p}, p\right), \left(\frac{p}{p}, -1\right), (p, p), \left(-\frac{1}{p}, 9\right) \right\}$$

$$f(x^p) = \left\{ (\pm 1, p), (\pm \sqrt{p}, -1), (\pm p, p) \right\}$$

$$p g'(x) + 1 = \left\{ (-p, 19), (1, 3), (p, 9), (-1, 1) \right\}$$

$$\frac{pf}{g} = \left\{ (1, -f), (p, -1) \right\}$$

5)

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