

Quiz Review

Date _____ Period _____

Factor each completely.

1) $20m^2 - 5$

2) $2m^4 - 7m^2 + 5$

3) $12m^2 + 46m - 8$

4) $m^2 - 14mn + 40n^2$

Solve each equation.

5) $3x^2 - 2x = 3$

6) $2r^2 = 3r - 1$

State the domain using interval notation.

7) $f(x) = \sqrt{x+1}$

8) $g(x) = \frac{x^2 - 1}{x^2 - 5x}$

9) $f(x) = \frac{\sqrt{x-3}}{x-6}$

Answers to Quiz Review

1) $5(2m + 1)(2m - 1)$

3) $2(m + 4)(6m - 1)$

5) $\left\{ \frac{1 + \sqrt{10}}{3}, \frac{1 - \sqrt{10}}{3} \right\}$

7)

9)