

Find any excluded values of each rational expression.

2.  $\frac{5}{m}$

3.  $\frac{x+2}{x^2-8x}$

4.  $\frac{p^2}{p^2-2p-15}$

Simplify each rational expression, if possible. Identify any excluded values.

5.  $\frac{4a^2}{8a}$

6.  $\frac{2d^2+12d}{d+6}$

7.  $\frac{2}{y+3}$

8.  $\frac{10}{5-y}$

9.  $\frac{2h}{2h+4}$

10.  $\frac{3(x+4)}{6x}$

Find any excluded values of each rational expression.

24.  $\frac{c}{c^2+c}$

25.  $\frac{2}{-3x}$

26.  $\frac{4}{x^2-3x-10}$

27.  $\frac{n^2-1}{2n^2-7n-4}$

Simplify each rational expression, if possible. Identify any excluded values.

28.  $\frac{4d^3+4d^2}{d+1}$

29.  $\frac{3m^2}{m-4}$

30.  $\frac{10y^4}{2y}$

31.  $\frac{2t^2}{16t}$

Find the excluded value(s) of each rational expression.

27.  $\frac{3}{7x}$

28.  $\frac{-2}{x^2 - x}$

29.  $\frac{6}{x^2 + x - 12}$

30.  $\frac{p + 1}{p^2 + 4p - 5}$

Simplify each rational expression, if possible. Identify excluded values.

31.  $\frac{4m^2}{12m}$

32.  $\frac{7x^5}{28x}$

33.  $\frac{4x^2 - 8x}{x - 2}$

34.  $\frac{2y}{y - 1}$

35.  $\frac{5x^3 + 20x^2}{x + 4}$

36.  $\frac{a + 1}{a - 2}$

37.  $\frac{3y^3 + 3y}{y^2 + 1}$

38.  $\frac{x^3 + 4x}{x^2 + 4}$

Simply each rational expression, if possible.

39.  $\frac{b + 2}{b^2 + 5b + 6}$

40.  $\frac{x - 3}{x^2 - 6x + 9}$

41.  $\frac{y^2 - 4y - 5}{y^2 - 2y - 3}$

42.  $\frac{(m + 2)^2}{m^2 - 6m - 16}$