

Adding Rational Expressions  
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Add. Write answers in simplest form.

Answers

1.  $\frac{x+4}{3} + \frac{2x-1}{3}$

1.  $x+1$

2.  $\frac{b}{b-3} + \frac{-3}{b-3}$

2.  $1$

3.  $\frac{p+1}{p^2-3p-10} + \frac{1}{p^2-3p-10}$

3.  $\frac{1}{p-5}$

4.  $\frac{2z}{z^2-2z-15} + \frac{-z+3}{z^2-2z-15}$

4.  $\frac{1}{z-5}$

5.  $\frac{c}{6c} + \frac{5}{3c}$

5.  $\frac{c+10}{6c}$

6.  $\frac{y-3}{4y} + \frac{1}{2}$

6.  $\frac{3(y-1)}{4y}$

7.  $\frac{4}{c-d} + \frac{5}{c^2-d^2}$

7.  $\frac{4c+4d+5}{(c-d)(c+d)}$

8.  $\frac{6}{a+1} + \frac{3}{a-1}$

8.  $\frac{3(3a-1)}{(a+1)(a-1)}$

9.  $\frac{2y}{y+3} + \frac{y}{y+1}$

9.  $\frac{y(3y+5)}{(y+3)(y+1)}$

10.  $\frac{2}{z-2} + \frac{2}{z+3}$

10.  $\frac{2(2z+1)}{(z-2)(z+3)}$

Please visit the Learning Lab for further assistance.