

Dividing Polynomials by Binomials
Jefferson Davis Learning Center, Sandra Peterson

Divide by using long division or synthetic division.

Answers

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

1. $y + 2$

2. $\frac{n^2 + 6n + 5}{n + 1}$

2. $n + 5$

3. $\frac{x^2 - 5x + 6}{x - 2}$

3. $x - 3$

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

4. $z - 1$

5. $\frac{a^2 - 9a + 20}{a - 5}$

5. $a - 4$

6. $\frac{b^2 + 8b - 20}{b - 2}$

6. $b + 10$

7. $\frac{x^2 + 2x + 3}{x + 1}$

7. $x + 1 + \frac{2}{x + 1}$

8. $\frac{t^2 - 2t + 2}{t - 2}$

8. $t + \frac{2}{t - 2}$

9. $\frac{-28 - 3d + d^2}{d - 7}$

9. $d + 4$

10. $\frac{-24 - 5r + r^2}{r + 3}$

10. $r - 8$

Please visit the Learning Lab for further assistance.