

## Quiz 2

Identify the Greatest Common Factor of the two terms that are listed.

1. 5 and 20

2. 15 and 75

3.  $8x^3$  and  $28x$

4.  $12x^2$  and  $21x^5$

Evaluate the expression. You may use either Long Division or Synthetic Division.

5.  $(x^2 + 5x + 6)/(x + 2)$

6.  $(x^3 + 3x^2 + 3x + 1)/(x + 1)$

7.  $(x^3 + 7x + 8)/(x + 2)$

**Solutions:**

1. 5

2. 15

3.  $4x$

4.  $3x^2$

5.  $x + 3$

6.  $x^2 + 2x + 1$

7.  $x^2 - 2x + 11$  Remainder: -14