Name:

Algebra

Section 5.2

**Simplify**

1. 54 / 72 2. 109 / 107

3. 10m / 5m 4. 12 \* 103 / 4 \* 104

5. 3n7 / 15n3 6. 3r2s / 9rs2

7. -6pq2 / -15pq 8. 42yz4 / -48xz3

9. r2s4t / r2st3 10. 39x3y2z / 52x2y

11. 7m2 / (7m)2 12. (5a2)3 / (5a3)2

13. (3mn)2 / 3mn2 14. (-a)7 / (-a)4

15. (-t4)3 / (-t2)5

**Find the GCF of each pair of monomials**

16. 48a2bc3, 72ab3c2

17. 25p2q3, 15p2q2, 35pq4

18. (x + y)(x – y), 2x(x + y)