Name:

Algebra

Review (7.1 – 7.4)

**Write each ratio in simplest form**

1. 9y : 48y 2. 36rs4 / 12r2s2

3. 12 cm : 1.2 m 4. 4 h : 30 min

5. 6 kg : 120 g

**Solve**

6. x / 16 = 6 / 8 7. 4 / 3n = 2

8. (x-2) / 8 = 3 / 4 9. 3 = (2-5y) / 4

10. (x-4) / 6 = 3 / 2

**Solve each equation**

11. 2a/3 - 3a/2 = 5/6 12. 3n/8 + n/2 = 7

13. 5x/6 - 3x/8 = 11/2 14. x/8 - (x+3)/5 = ¾

15. x/2 - (x+3)/5 = 3 16. ¼ + 2/x = 3/8

17. 7/2a - 3/a = -1/4 18. 2/a + 3/2a = 7/6

19. 2/3 = (x+5)/(x+7) 20. n/(n-2) = 5/7