

Name: _____ Date: _____

Proportions 3

If the proportion is valid, write "TRUE." If it is not valid, write "FALSE"

1. 6 to 8 = 9 to 12 _____ 2. 4:5 = 16:20 _____

3. 12 to 9 = 16 to 14 _____ 4. 11:14 = 6:7 _____

5. 10:4 = 15:8 _____ 6. 22 to 12 = 15 to 9 _____

7. 18 to 15 = 24 to 20 _____ 8. 40 to 36 = 30:28 _____

9. 32:12 = 24 to 9 _____ 10. 18 to 42 = 9:26 _____

Solve the following proportions.

11. 18 to 24 = 9 to x 12. 6 to 18 = 9 to x

13. 8:20 = 6 to x 14. 12:15 = 16: x

15. 15 to 18 = x :12 16. 6:14 = x :28

17. 9 to 24 = x :32 18. 24:36 = x to 12