**Algebra Readiness Activity Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Evaluate.

1. + 4 if = 9 \_\_\_\_\_\_\_\_\_\_

2. 7 x if = 8 \_\_\_\_\_\_\_\_\_\_

3. – 5 if = 11 \_\_\_\_\_\_\_\_\_\_

4. 2 x + 3 x if = 7 and = 4 \_\_\_\_\_\_\_\_\_\_

True or False. Show work to support your decision.

5. 2 x + 3 x = 5 x if = 10 \_\_\_\_\_\_\_\_\_\_

6. 3 x ( – ) = (3 x ) – (3 x ) if = 12 and = 4

 \_\_\_\_\_\_\_\_\_\_

Solve for the value of the shape.

7. + 7 = 10 8. 2 x = 14

9. – 2 = 3 10. ÷ 3 = 24

Solve for the value of the shape. Find all possible solutions.

11. 2 x + 1 = 17 12. 2 x ( – 1 ) = 38

13. 2 x + 7 = 3 x + 2 14. 1 + + 5 = + 2 + 6

15. – 1 + 1 = 8 16. – 4 = 6 –

17. 3 x x 2 = 24 18. 6 x ( + 6 ) = 54

19. 4 + 2 x ( + 4 ) = 24 \*20. ( + 2 ) x ( – 1 ) = 40

\*21. + 4

 = 2

**Do your best! Rise to the challenge! Live and learn!**

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