Algebra 1 Name: _____
Radicals HW Date: _____ Per: _____

Round each value to 2 decimal places.

1. $\sqrt{65}$ 2. $\sqrt{110}$ 3. $\sqrt{7}$ 4. $\sqrt{176}$

Simplify by finding the factors and leaving in radical form. If it cannot be simplified, state it is prime. **SHOW ALL YOUR WORK!**

5. $\sqrt{32}$ 6. $\sqrt{63}$ 7. $\sqrt{72}$ 8. $\sqrt{147}$

9. $\sqrt{196}$ 10. $\sqrt{35}$ 11. $\sqrt{27}$ 12. $\sqrt{80}$

Evaluate each problem below if a = 2, b = 3, and c = -1.

13. (20 ÷ a) + $|c + b|$ 14. $\sqrt{6 - a}$ 15. $\sqrt{13 + b} + a$

16. $\frac{3b+a}{c}$ 17. $|7 - b|$ – a 18. $\sqrt{4a - b + c}$