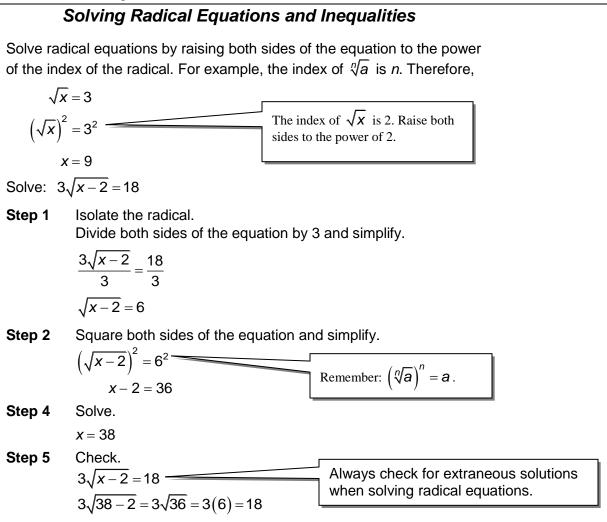
2017 *ALGEBRA* 2 2018 WEEKLY ASSIGNMENT SHEET FOR **APR. 30 TO MAY. 04** FOURTH QUARTER (Q4). WEEK 5 OF 9. (Q4-5) INSTRUCTOR: MR. ANDRUS. ROOM: 514 CONTINUING OBJECTIVES: SCCCR STANDARDS: 1. Improve organization skills. 1. Radical expressions and equations. Move from memorizing and repeating to 2. 2. Simply radicals and solve radical equations. applying and thinking. A2.ACE.1*, A2.AREI.2*, A2.AREI.11*, A2.FIF.4*, 3. Read, write and interpret math statements. Use mistakes as opportunities to learn. 4. A2.FIF.5*, A2.FIF.8* 5. Expand successes and build up 3. Review. weaknesses. Continue to move forward. Please update last week's assessment. Please MONDAY (IF YOU DID NOT ATTEND LAST FRIDAY'S CLASS.) $\rightarrow \rightarrow$ turn "IN". Check your last week's 1. After this week, what % of O4 is complete? What % of S2 grade is complete? assignment sheet for Friday's work. 2. Read & study section 5-6. Record 3 key words. Complete this work to prepare for this week's assessment. 3. Starting on p. 362 do 1 – 5, 8, 13, 14, 17, 18, 21, 22, 30, 31, 33, 41, 42, 43. 4. Keep this work in your binder. Please complete Monday's assignments. TUESDAY (IF YOU DID NOT ATTEND CLASS ON MONDAY) $\rightarrow \rightarrow$ Use them to prepare for the assessment. Grade/UPDATE/discuss Monday's work. 1. 000 Read & Study section 5-8. Record 3 key words. 2. 3. Starting on p. 380 do 1 – 5, 8 – 11, 17, 18, 19, 27 – 30. 4. Read & Study worksheet q4-5 tue. Record 3 key words. 5. Complete all problems on worksheet q4-5. Complete exit slip. Keep this work in your binder. 6. Please complete Tuesday's WEDNESDAY (IF YOU DID NOT ATTEND CLASS ON TUESDAY) $\rightarrow \rightarrow$ assignments and use them to prepare 1. Grade/UPDATE/discuss Tuesday's work. for the assessment. 2. Complete test review sheet. 3. Journal: Explain the steps to solve $x^2 = 32$. 4. Turn in before leaving class today. Please complete Wednesday's THURSDAY (IF YOU DID NOT ATTEND CLASS ON WEDNESDAY) \rightarrow assignments and use them to prepare for 1. Grade/UPDATE/discuss Wednesday's work. Review. the weekly assessment. 2. Weekly Test Q4-5 in Aleks. You may use all note pages on this assessment. 3. If you did not attend class yesterday, your first take will count as your new test problems. 4. Your 2nd take will count as your test score. Additional takes will be updates.

FRIDAY (IF YOU DID NOT ATTEND CLASS ON THURSDAY) \rightarrow 1. Update yesterday's test in Aleks.	Please complete the weekly assessment today.
2. Problem solving Q4-5. Turn in by the end of class.	

Worksheet q4-5 tue

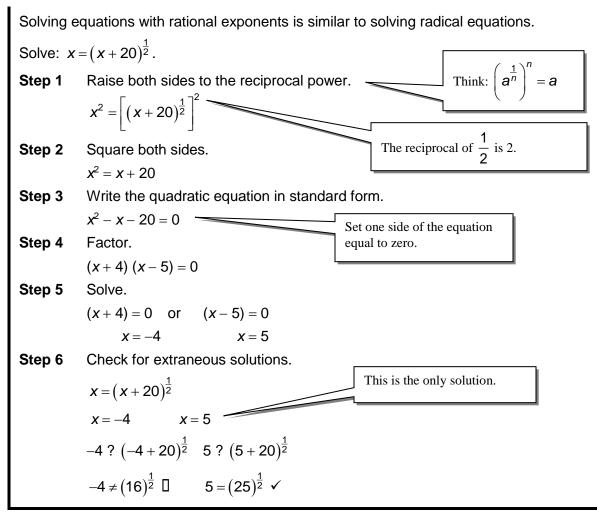


Solve each equation. Check your answer.

1. $4\sqrt[3]{2x+11} = 12$	2. $5 + \sqrt{x-3} = 9$	3. $2\sqrt{x+4} = 10$
$\frac{4\sqrt[3]{2x+11}}{4} = \frac{12}{4}$	$5 - 5 + \sqrt{x - 3} = 9 - 5$	
$\sqrt[3]{2x+11} = 3$		
$\left(\sqrt[3]{2x+11}\right)^3 = 3^3$		

Worksheet q4-5 con't

Solving Radical Equations and Inequalities (continued)



Solve each equation.

4. $(5x+6)^{\frac{1}{4}}=3$	5. $(6x-8)^{\frac{1}{3}}=4$	6. $x = (x+6)^{\frac{1}{2}}$
$\left[\left(5x+6 \right)^{\frac{1}{4}} \right]^4 = 3^4$		

1.
$$2x + 11 = 27$$

 $2x = 16; x = 8$
 $4\sqrt[3]{2(8)} + 11 = 12$
 $4\sqrt[3]{36} = 12 \checkmark$
2. $\sqrt{x-3} = 4$
 $x-3 = 16$
 $x = 19$
 $5 + \sqrt{19-3} = 5$
 $5 + \sqrt{16} = 5 + 4$
 $= 9 \checkmark$
3. $\sqrt{x+4} = 5$
 $x + 4 = 25$
 $x = 21$
 $2\sqrt{21+4} =$
 $2\sqrt{25} = 2 \cdot 5$
 $= 10 \checkmark$
4. $5x + 6 = 81$
 $5x = 75$
 $x = 15$
5. $\left[(6x - 8)^{\frac{1}{3}} \right]^3 = 4^3$
 $6x - 8 = 64$
 $6x = 72$
 $x = 12$

6.
$$x^{2} = \left[(x+6)^{\frac{1}{2}} \right]^{2}$$

 $x^{2} = x+6$
 $x^{2} - x - 6 = 0$
 $(x-3)(x+2) = 0$
 $x = 3$