

October 3, 2017

Lit #12) $\frac{b}{1} \left[u = \frac{ak}{b} \right]$; for a

$$\frac{bu}{k} = \frac{ak}{k}$$

$$\frac{bu}{k} = a$$

Oct 3-9:53 AM

Rad #7)

$$(2)^2 = (\sqrt{4b})^2$$

$$\frac{4}{4} = \frac{4b}{4}$$

$$1 = b$$

$$2 = \sqrt{4(1)}$$

$$= \sqrt{4}$$

$$2 = 2 \checkmark$$

Oct 3-10:00 AM

Rad #9)

$$-8 + \sqrt{5a-5} = -3$$

$$(\sqrt{5a-5})^2 = (5)^2$$

$$5a-5 = 25$$

$$5a = 30$$

$$a = 6$$

ck

$$-8 + \sqrt{5(6)-5} = -3$$

$$-8 + \sqrt{30-5} = -3$$

$$-8 + \sqrt{25} = -3$$

$$-8 + 5 = -3$$

$$-3 = -3 \checkmark$$

Oct 3-10:03 AM

Rad #10)

$$\frac{10\sqrt{9x}}{10} = \frac{60}{10}$$

$$(\sqrt{9x})^2 = (6)^2$$

$$\frac{9x}{9} = \frac{36}{9}$$

$$x = 4$$

Oct 3-10:06 AM

Rad #13)

$$10 + \sqrt{10m-1} = 13$$

$$(\sqrt{10m-1})^2 = (3)^2$$

$$10m-1 = 9$$

$$10m = 10$$

$$m = 1$$

Oct 3-10:09 AM

2-step #13)

$$-15 = -4m + 5$$

$$\frac{-20}{-4} = \frac{-4m}{-4}$$

$$5 = m$$

Oct 3-10:10 AM

2-step

#7) $\frac{3}{1} \left[\frac{v+9}{3} = 8 \right]$ LCD: $\frac{3}{1}$

$$v+9 = 24$$

$$v = 15$$

Oct 3-10:11 AM

$$\frac{3}{1} \cdot \frac{(v+9)}{3} = \frac{3v+27}{3}$$

$$\left[\frac{3}{1} \cdot \frac{1}{3} \right] \cdot \frac{v+9}{1} = \frac{3v}{3} + \frac{27}{3}$$

$$1 \cdot v+9 = v+9$$

Oct 3-10:14 AM

Rational Equations

#2) $\frac{1}{7} = \frac{1}{5m} + \frac{(m-1)}{3m}$ Steps: Determine the LCD $5m$

$$5 = 1(5(m-1))$$

$$5 = 1(-m+1)$$

$$5 = 1(-m+1) \quad \text{A}$$

$$= 1(1-m) \quad \text{Com}$$

$$= (1+)-m \quad \text{A}$$

$$5 = 2 - m$$

$$\frac{3}{-1} = \frac{-m}{-1}$$

$$\sqrt{-3 = m}$$

ok $\frac{5}{5(1)} = \frac{5-1}{5(-1)}$

$$-\frac{1}{3} = \frac{1}{-15} - \frac{4}{-15}$$

$$-\frac{1}{3} = \frac{-1}{15} - \frac{4}{15}$$

Common

$$-\frac{1}{3} = \frac{-1-4}{15}$$

$$= \frac{-5}{15}$$

$$= \frac{-1}{3}$$

$$-\frac{1}{3} = -\frac{1}{3} \quad \checkmark$$

Oct 3-10:21 AM