

September 22, 2015

- * Quiz #5 - Tomorrow
- Multiplying & Dividing
- * Exam #1 - Friday, October 2
- * Chapter 8
- * Everything Else!

Sep 22-9:53 AM

8.5
#79)

$$\frac{(2\sqrt{x-5y})(3\sqrt{x-5y})}{(3\sqrt{x+5y})(3\sqrt{x-5y})}$$

$$\frac{6x - 10\sqrt{xy} - 3\sqrt{xy} + 5y}{9x - 25y}$$

$$\frac{6x - 13\sqrt{xy} + 5y}{9x - 25y}$$

Sep 22-10:03 AM

8.5

$$\frac{2x}{\sqrt{2x^3y^4}} \cdot \frac{\sqrt{16x^2y}}{\sqrt{16x^2y}} = \frac{2x\sqrt{16x^2y}}{\sqrt{32x^5y^5}}$$

"one"

$$= \frac{2x\sqrt{16x^2y}}{2\sqrt{2x^5y^5}}$$

$$= \frac{\sqrt{16x^2y}}{\sqrt{2x^5y^5}}$$

Sep 22-10:11 AM

~~$\frac{2x+3}{3}$~~ $x=5$
 $= 0.6(\rightarrow) = 30$
 $\textcircled{2} \frac{13}{3}$

$x=5$ $\frac{6x+3}{3} = \frac{6(\rightarrow) + 3}{3} = \frac{30+3}{3} = \frac{33}{3} = 11$

$\frac{6x+3}{3} = \frac{3(2x+1)}{3}$
 $= 2x+1 = 2(\rightarrow) + 1 = 11$
 $x=5$

Sep 22-10:20 AM

$a(b+c) = ab+ac$

$$6x + 3$$

$$2 \cdot \textcircled{3} \cdot x + \textcircled{3}$$

$$3(2x+1) = 3 \cdot 2x + 3 \cdot 1$$

$$= 6x + 3$$

Sep 22-10:25 AM

FOIL

$$(a+b)^2 = (a+b)(a+b)$$

Sep 22-10:29 AM

#21)

$$\frac{\sqrt[4]{5}}{4\sqrt[4]{27}} \cdot \frac{\sqrt[4]{3}}{\sqrt[4]{3}} = \frac{\sqrt[4]{15}}{4\sqrt[4]{81}}$$

$$= \frac{\sqrt[4]{15}}{4 \cdot 3}$$

$$= \frac{\sqrt[4]{15}}{12}$$

$\frac{x^4}{1}$
 $\frac{1}{16}$
 $\frac{81}{256}$

$\frac{81}{27} = 3$

Sep 22-10:31 AM

#26)

$$\frac{(3 - \sqrt[4]{5k^2}) \sqrt[4]{27k}}{\sqrt[4]{3k^3}} \cdot \frac{\sqrt[4]{27k}}{\sqrt[4]{27k}} = \frac{3\sqrt[4]{27k} - \sqrt[4]{135k^3}}{\sqrt[4]{81k^4}}$$

$$= \frac{3\sqrt[4]{27k} - \sqrt[4]{135k^3}}{3k}$$

$\frac{x^4}{1}$
 $\frac{1}{16}$
 $\frac{81}{256}$

Sep 22-10:45 AM