## Algebra 2 Practice Exam 2

36 is the larger number

$$\sqrt{\frac{7}{36}} + \sqrt{\frac{13}{39}}$$

2

$$\sqrt{\frac{7}{36}} + \sqrt{\frac{1}{3}}$$

$$\frac{2|5|}{3|8} = \frac{3|3|}{3|3|}$$

$$\frac{2}{5} \div \frac{3}{8} = \frac{2}{9} \div \frac{5}{3}$$

$$\frac{1499 - 1200}{1499} = 19.947\%$$

$$\frac{(3x^3+x^2-10x)(x^2+x-12)}{(2x^2+3x-2)(3x^2+7x-20)}$$

$$\frac{x(3x-5)(x+2)(x-3)(x+4)}{(2x-1)(x+2)(3x-5)(x+4)}$$

$$\frac{c}{a} - \frac{a}{b} = \frac{e}{f}$$

$$\frac{c}{d} - \frac{e}{f} = \frac{a}{b}$$

$$\frac{b}{a} = \frac{d}{c} - \frac{l}{e}$$

$$log(8\pi) + 3log(\pi) - log(2\pi^{2})$$
  
 $log(8\pi) + log(\pi^{3}) - log(2\pi^{2})$   
 $log(\frac{8\pi^{4}}{2\pi^{3}})$   
 $log(4\pi^{2})$ 

$$4i^{5} - \sqrt{-9} + 4i^{7} - 12i^{4} + \sqrt{-16} - 7i^{6} + 5i^{2}$$
  
 $4i - 3i - 4i - 12 + 4i + 7 - 6$   
 $i - 10\sqrt{}$ 

$$ut = 24$$
 $\pm 0u + t = \pm 0t + u + 45$ 
 $(\pm 0u + t) - (\pm 0t + u + 45) = 0$ 
 $9u - 9t - 45 = 0$ 
 $u - t = 5$ 

$$u(u-5) = 24$$

$$u^{2} - 5u - 24 = 0$$

$$(x-8)(x+3) = 0$$

$$x-8 = 0 \quad x+3 = 0$$

$$x = 8$$

$$x = 8$$

$$x=8$$
  $x=-$ 

$$t = (8) - 5$$

$$t = 3$$

$$n^2 = 5 + 4nc$$

$$n^2 - 4n - 5 = 0$$

$$(x-5)(x+1)=0$$

$$x=5$$
  $x=-1$ 

$$x^2 + (y-2)^2 = 4^2$$

$$x^2 + y^2 - 4y + 4 - 16 = 0$$

$$x^{2} + y^{2} - 4y + 4 - 16 = 0$$

$$x^{2} + y^{2} - 4y - 12 = 0$$

$$C = 40$$
  $a = 60$ 

$$T = -20C + 144000$$

$$c = 7200 - \frac{T}{20} \checkmark$$







