32 and 31 - Great job! Extra 8 to parting
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 not explanation \Rightarrow not explanation \Rightarrow not explanation \Rightarrow 1. The second states \Rightarrow 1. The second

$$f(x) = 3\sqrt{x} - 2$$

$$g(x) = x + 1$$

$$(f \circ g)(x) = f(g(x)) = 3\sqrt{x} - 2 + 1 = 3\sqrt{x} - 1$$

$$(g \circ f)(x) = g(f(x)) = 3\sqrt{x} - 2 + 1 = 3\sqrt{x} - 1$$

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$$(g \circ f)(x) = f(g(x)) = 5x(x + 1)$$

$$(g \circ f)(x) = f(g(x)) = 3\sqrt{x} - 2 + 1 = 3\sqrt{x} - 1$$

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f = x+1 g=5x

order unimportent

"divide mt

$$\frac{2 \text{ Lines}}{6 \text{ Lines}} = \frac{1}{3}$$

$$(^2 = a^2 + y^2 - \lambda ab \omega s)$$

$$\frac{2 \text{ kins}}{6 \text{ kins}} = \frac{1}{3}$$

$$(^2 = a^2 + b^2 - \lambda ab \cos a$$

$$(^2 = a^2 + b^2 - \lambda ab \cos a$$

S9)
$$(2 = a^2 + b^2 - \lambda a b \cos C)$$
 by ord

Side $\chi^{\lambda} = a^2 + b^2 - \lambda a b \cos C$

Side TF solving $F \cap \chi$, we don't know what C , the opposite

c side
$$\chi^{\lambda} = a^{\lambda} + b^{\lambda} - \lambda ab \omega_{s}$$
 (

c side $\chi^{\lambda} = a^{\lambda} + b^{\lambda} - \lambda ab \omega_{s}$ (

C is

opposite against the arguments of impossible arguments of impossible arguments)

Analyze equatorn after class

$$2 = x^{2} + 5^{2} - \lambda ab \cos \theta$$

$$3 = x^{2} + (4^{2} - \lambda(4)x)$$

If solving for
$$x$$
, we are is =) impose
$$2 = x^2 + (4^2 - 2(4)x)$$

$$(0^{2} = x^{2} + (4^{2} - \lambda(4)x \omega_{s}(34^{\circ}))$$

All booles of some type must be together.

(the wany arrangements)

How many ways to order big groups? 5! = 5.4.2.1=120

5 closies tret smp, 4 for severe, 3 for Mird.

Shirper

$$350 \text{ m} \times \frac{9 \text{ m}}{32 \text{ m}} \times \frac{37}{9 \text{ m}} = 143.75$$

$$32 \text{ m}$$

$$32 \text{ m}$$

$$34 \text{ m}$$

$$34 \text{ m}$$

$$44 \text{ m}$$

$$57)$$
 $\times \cdot (.2 \cdot (.3 \cdot 0.8) = 1.25 \text{ C}$

How 4b) $5 + c = 2700$ (11 | 2700) 2×3

to solve $0.18b + 0.18c = 441$ (18.15 | 441) augmented system of eqs. in reduced on exhelon from ref and c

Mc

L = (500

 $\begin{pmatrix} 1 & 2 & 3 & 4 \\ 0 & 1 & 4 & 7_2 \\ 0 & -3 & -3 & -2 \end{pmatrix} \xrightarrow{r_3 + 3r_2} \begin{pmatrix} 1 & 2 & 3 & 4 \\ 0 & 1 & 4 & 7_2 \\ 0 & 0 & 9 & 7_2 \end{pmatrix} \xrightarrow{r_3 \cdot (6)} \begin{pmatrix} 1 & 2 & 3 & 4 \\ 0 & 1 & 4 & 7_2 \\ 0 & 0 & 1 & 1/4 \end{pmatrix}$

Application of matrix رم (برم)

To get last 3 renes, ra-4rz; r,-3rz; r,-2rz. Done,