

student ID 12005231
Module: ACHA 300 (tues)

ii) $3(7x-1) = 6(x+3)$ Nov 3, 2020

$$= 21x - 1$$

$$= 18x$$

(iii) $\frac{5x+3}{4} = \frac{2x-1}{9}$

$$\frac{15x}{4} + \frac{1x}{9}$$

$$\text{ans} = \frac{15x}{9}$$

3. Quadratic equations by using the factorization method

(i) $x^2 + 10x + 21 = 0$

~~(ii) $x^2 - 320x + 30$~~
~~ans = $30x$~~

(i) $x^2 - 3x + 2 = 0$

$$\begin{aligned} &= 1x6 \\ \text{ans} &= \frac{1x6}{0} \end{aligned}$$

Student ID: 20052
Module: ACHA 300

Oct Nov 3, 2020 Science
(Introduction to Maths and Science)

Simplify Simplify the following

1. $x^4 \times x^6 \times x =$

$$(4 \times 6) (4.6)$$

$$x^3 = 24$$

$$= 24x^3$$

~~2. (ii)~~

(ii) $2x^2 \times 3x^3 \times 2x =$

$$2 \times 2 = 4x^9 \cdot 18$$

$$4x \times 9 =$$

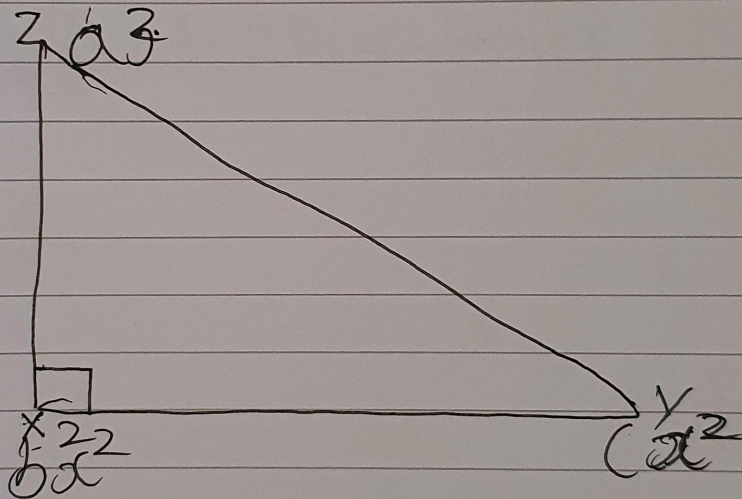
$$24x$$

$$6. \quad 5(2x^7 - y^2) - x^2(x^2 - y) - x^2y - x^4$$

$$= \underline{6x^7 - 4x^4 - x^2y}$$

7. (i) Angle y

(ii)



Express the following

$$8. \quad \sqrt[3]{x} = 24$$

$$(ii) \quad 1 = 6x$$

$$(iii) x^2 + 12x + 20 = 0$$

$$24x + 20$$

$$= \frac{480}{0}$$

4. Use the formula $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

$$14x^2 + 3x = 11$$

$$24 \times 3$$

$$= \frac{72}{2a}$$

$$5. \underline{5x + 3y = 39}$$

$$20 + 3y = 23$$

$$3y = 23 - 20$$

$$\frac{3y}{3} = \frac{3}{3} \quad (y = 1)$$

$$\underline{8x - 2y = 42}$$

$$16 + 2y = 23$$

$$y = 1x$$