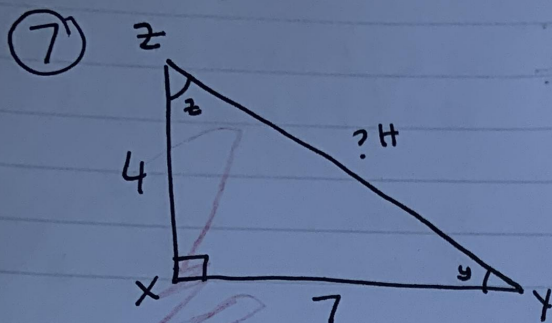




(i) Angle Y

(ii) Angle Z

(iii) $|YZ|^2$?

(i) Angle Y

$$\tan y = \frac{4}{7}$$

$$\tan y = 0,5714$$

$$\tan y = 0,5714 = y$$

$$29.74 = y$$

(ii) Angle Z

$$90 + 29.74 + z = 180$$

$$119.74 + z = 180$$

$$z = 180 - 119.74$$

$$\text{Angle } z = 60.26$$

$$\tan z = \frac{7}{4}$$

$$\tan^{-1} 1.75 = z$$

(iii) $|YZ|^2$?

$$|YZ|^2 = 4^2 + 7^2$$

$$|YZ|^2 = 16 + 49$$

$$|YZ|^2 = 65$$

$$|YZ| = 8.062$$

$$\tan^{-1} z = 60.26$$

(8) (i) $\sqrt[3]{x}$

$$\text{if } x = 27$$

$$x^3 = 3^3$$

$$\sqrt[3]{3^3}$$

$$x = 3$$

(ii) 1

$$\text{if } x = 1$$

$$x^0 = 1$$

$$x^0$$