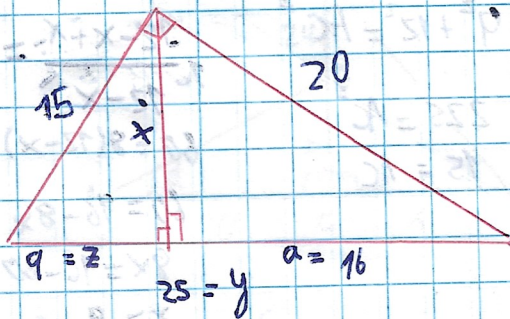


1)



$$15^2 + 20^2 = y^2$$

$$9 \cdot 16 = x^2$$

$$625 = y^2$$

$$144 = x^2$$

$$25 = y$$

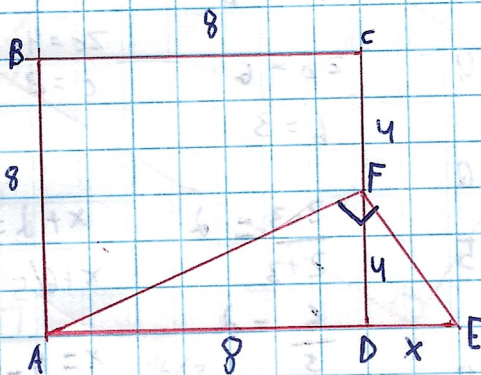
$$12 = x$$

$$15^2 = z \cdot 25$$

$$225 = 25z$$

$$9 = z$$

2)

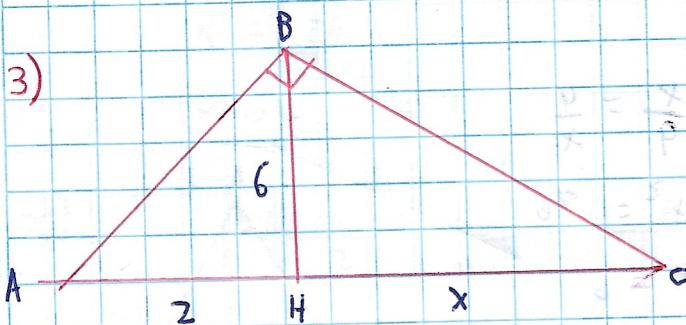


$$4^2 = 8 \cdot x$$

$$16 = 8 \cdot x$$

$$2 = x$$

3)



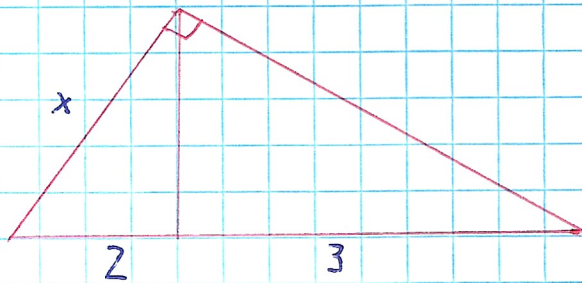
$$z = \frac{BH}{3}$$

$$6 = BH$$

$$6 = 2x$$

$$36 = 2x$$

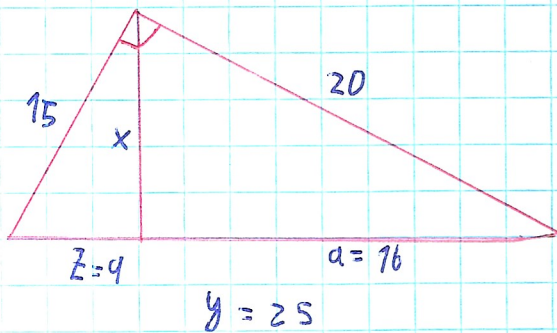
$$18 = x$$



$$x^2 = 2 \cdot 3$$

$$x^2 = 6$$

$$x = \sqrt{6}$$



$$15^2 + 20^2 = y^2$$

$$625 = y^2$$

$$25 = y$$

$$9 \cdot 16 = x^2$$

$$144 = x^2$$

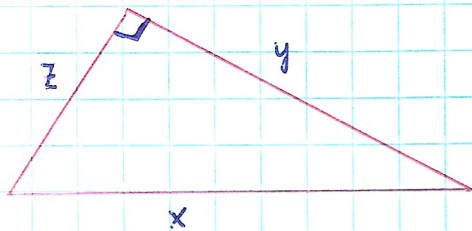
$$12 = x$$

$$15^2 = z \cdot 25$$

$$225 = 25z$$

$$9 = z$$

$$y = 25$$



$$x^2 + z^2 + y^2 = 200$$

$$z^2 + y^2 = x^2$$

$$2z^2 + 2y^2 = 200$$

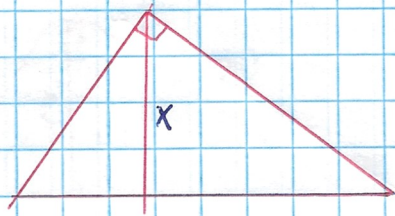
$$2(z^2 + y^2) = 200$$

$$z^2 + y^2 = 100$$

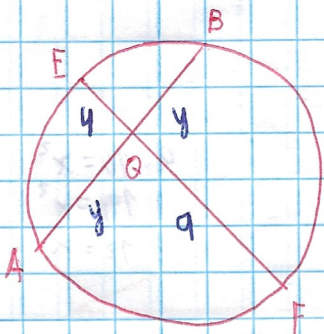
$$x^2 = 100$$

$$x = 10$$

7)



8)



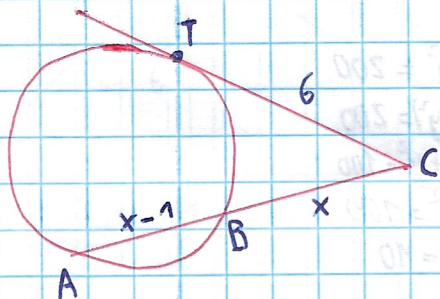
$$4 \cdot 9 = y^2$$

$$36 = y^2$$

$$6 = y$$

$$AB = 12$$

9)



$$6^2 = x \cdot 2x - 1$$

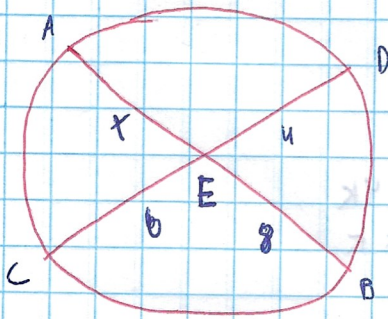
$$6^2 = 2x^2 - 1$$

$$6 = 2x - 1$$

$$7 = 2x$$

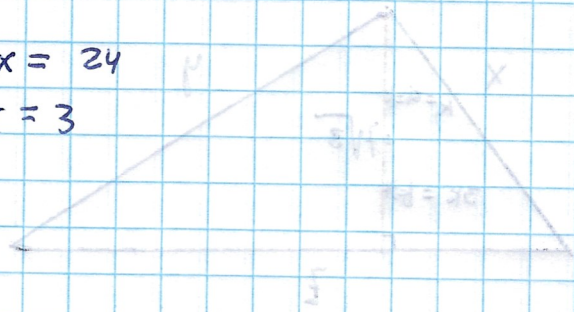
$$3,5 = x$$

10

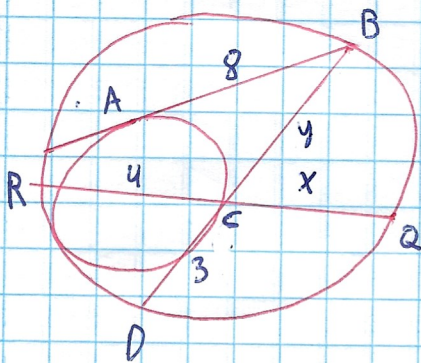


$$8x = 24$$

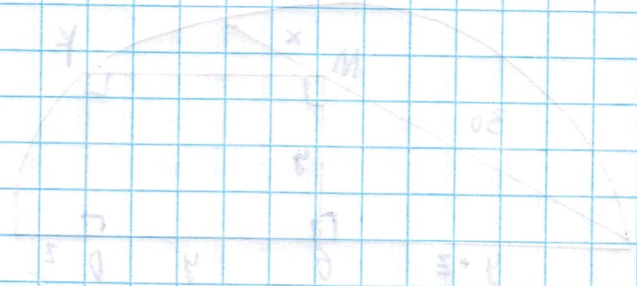
$$x = 3$$



11)

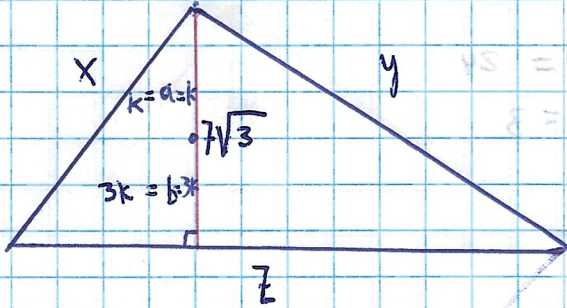


$$4 \cdot x = 3 \cdot y$$



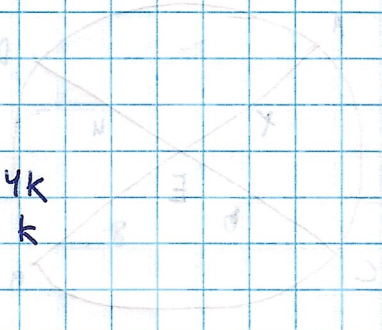
12)

13)



$$\frac{a}{b} = \frac{1k}{3k}$$

$$\frac{7\sqrt{3}}{4} = k$$



14)

