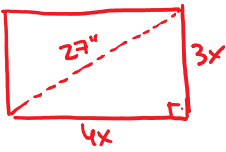


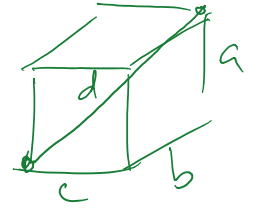
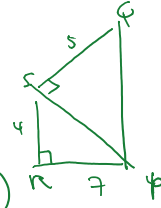
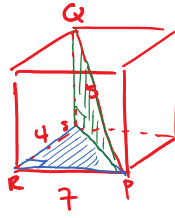
HW Questions: ??

#14)



H:l
3:4
3x:4x

#11)



$$(3x)^2 + (4x)^2 = 27^2$$

$$9x^2 + 16x^2 = 27 \times 27$$

$$25x^2 = 27 \times 27$$

$$\sqrt{x^2} = \sqrt{\frac{27 \times 27}{25}}$$

$$x = \frac{27}{5}$$

$$l = 4(x) = \frac{4(27)}{5} = \frac{108}{5} //$$

$$4^2 + 7^2 = (sP)^2$$

$$sP^2 + s^2 = QP^2$$

$$4^2 + 7^2 + s^2 = QP^2$$

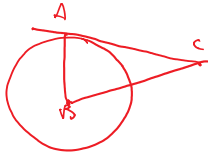
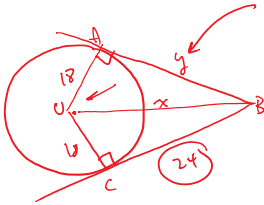
$$16 + 49 + 25 = QP^2$$

$$\sqrt{90} = \sqrt{QP^2}$$

$$3\sqrt{10} = QP //$$

$$a^2 + b^2 + c^2 = d^2 //$$

#16)



$$24^2 + 18^2 = x^2$$

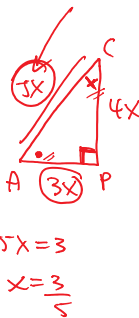
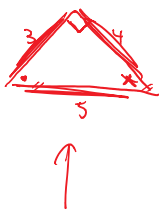
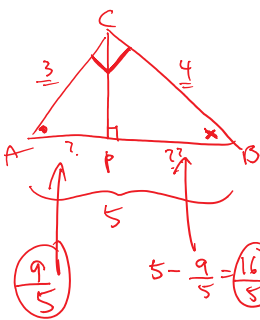
$$576 + 324 = x^2$$

$$900 = x^2$$

$$30 = x$$

18 = 6(3)
24 = 6(4)
30 = 6(5)

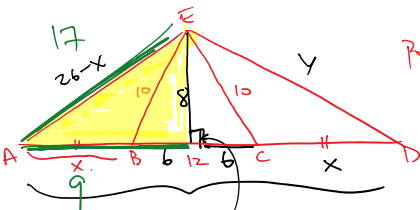
#13)



$$5x = 3$$

$$x = \frac{3}{5}$$

#16)



Area of $\triangle AED = 2 \times$ Area $\triangle BEL$
 $= 2 \times 32$
 $\triangle AED = 64 //$

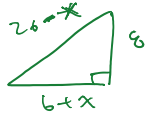
$$8, 15, 17 //$$

$$2x + 12 + 2y = 64$$

$$2x + 2y = 52$$

$$x + y = 26$$

$$y = 26 - x$$



$$8^2 + (6+x)^2 = (26-x)^2$$

$$64 + 36 + 12x + x^2 = 26^2 - 52x + x^2$$

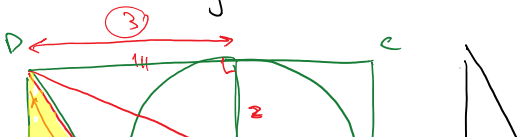
$$64x = 26^2 - 10^2$$

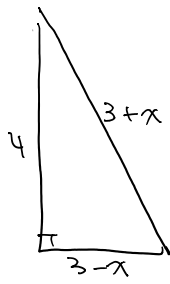
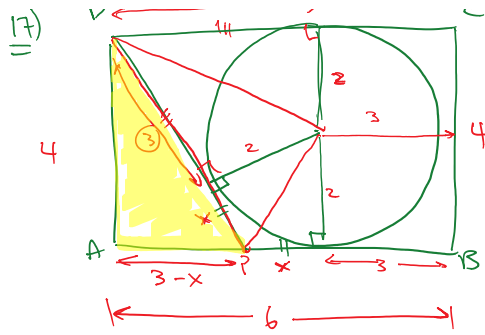
$$64x = (26+10)(26-10)$$

$$4x = 36$$

$$x = 9 //$$

#17)





$$r \cdot \lambda = 36$$

$$\boxed{x = 9}$$