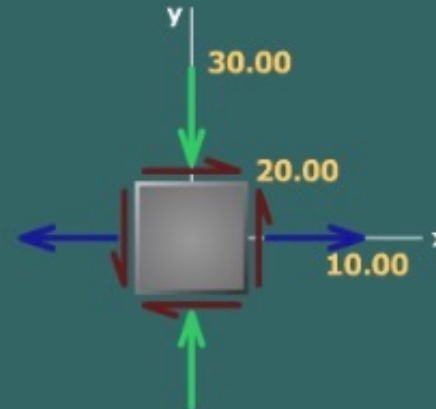


One of the Mohr's circles shown is correct for the state of stress depicted on the stress element. Click on the correct Mohr's circle.

## Question Q1.1

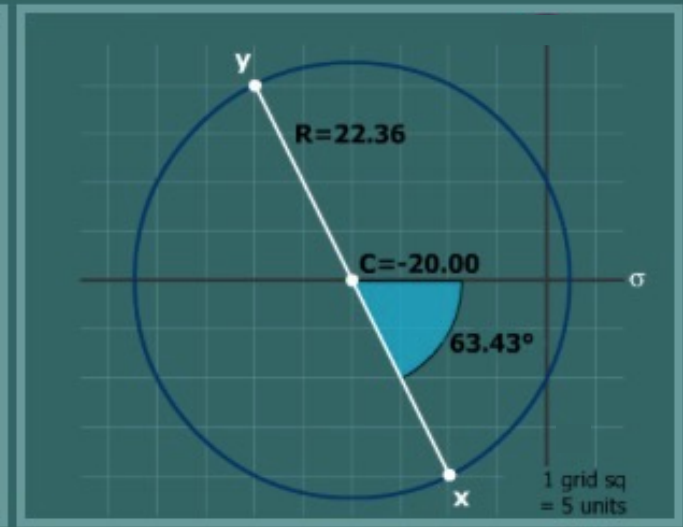
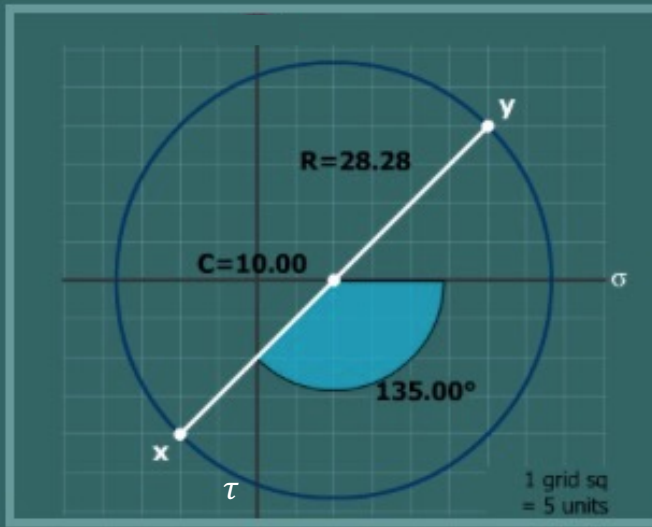
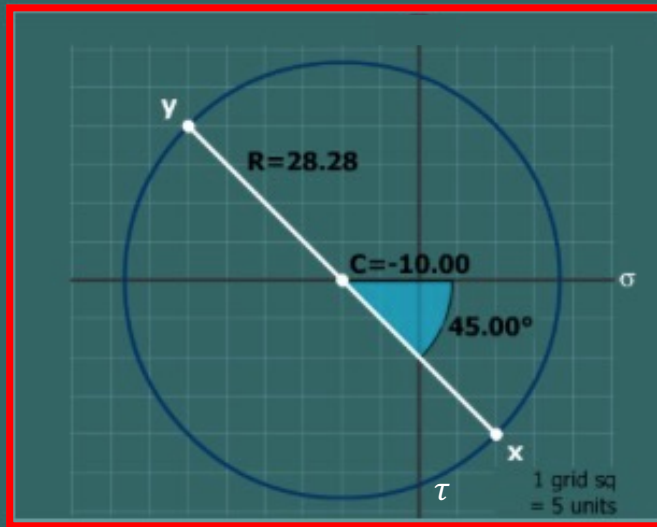
$$\sigma_{ave} = (10 - 30) / 2 = -10$$

(a)



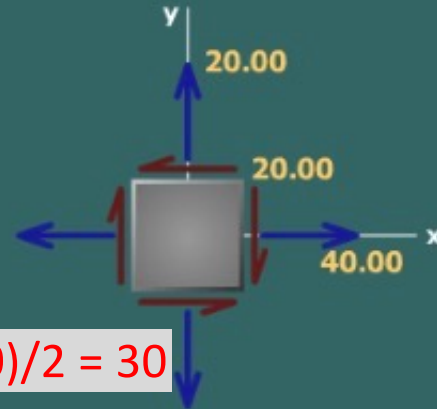
(b)

(c)



One of the Mohr's circles shown is correct for the state of stress depicted on the stress element. Click on the correct Mohr's circle.

## Question Q1.2

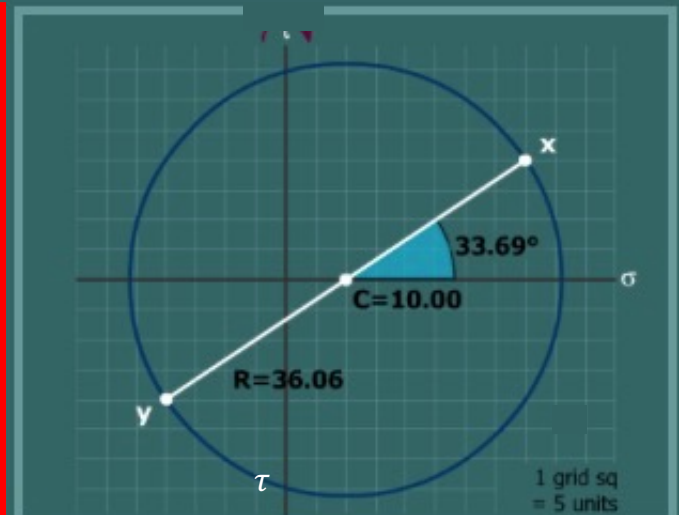
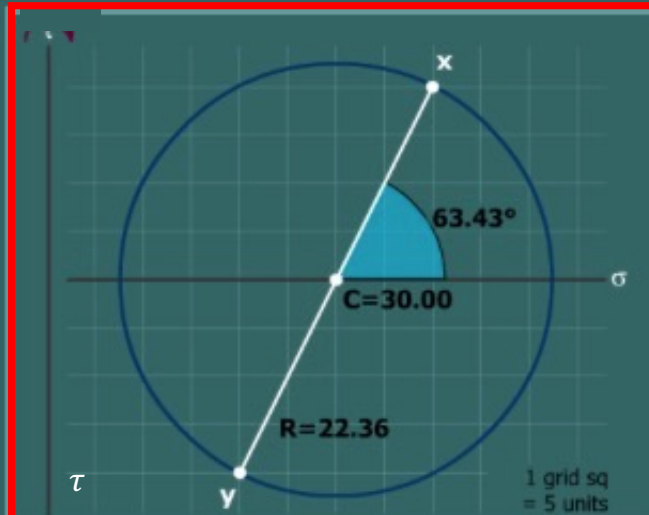
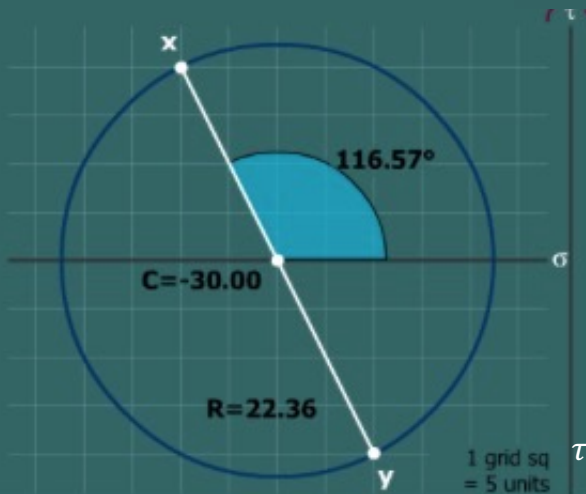


$$\sigma_{ave} = (40 + 20) / 2 = 30$$

(a)

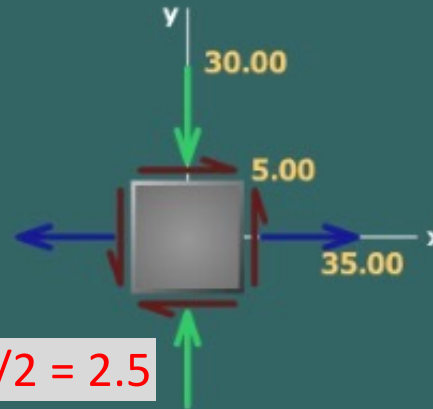
(b)

(c)



One of the Mohr's circles shown is correct for the state of stress depicted on the stress element. Click on the correct Mohr's circle.

### Question Q1.3



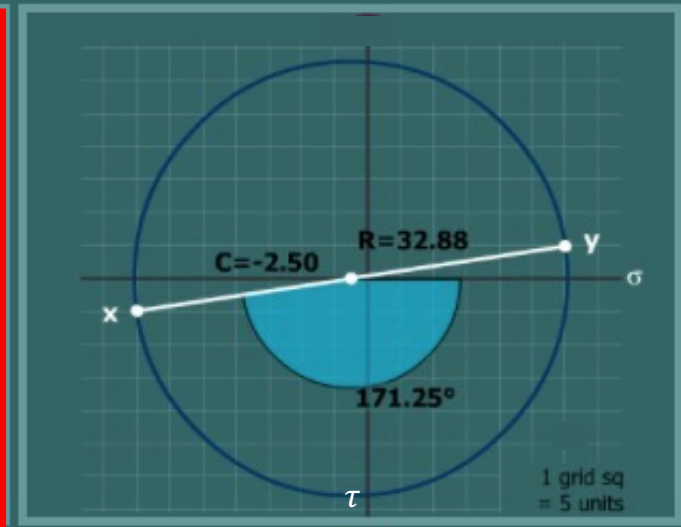
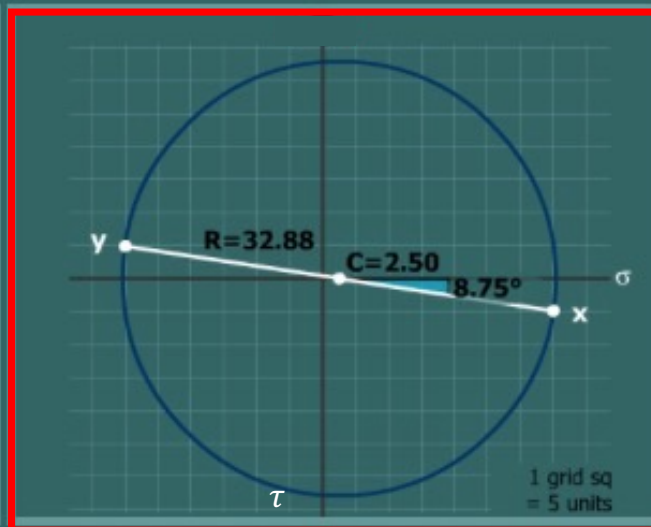
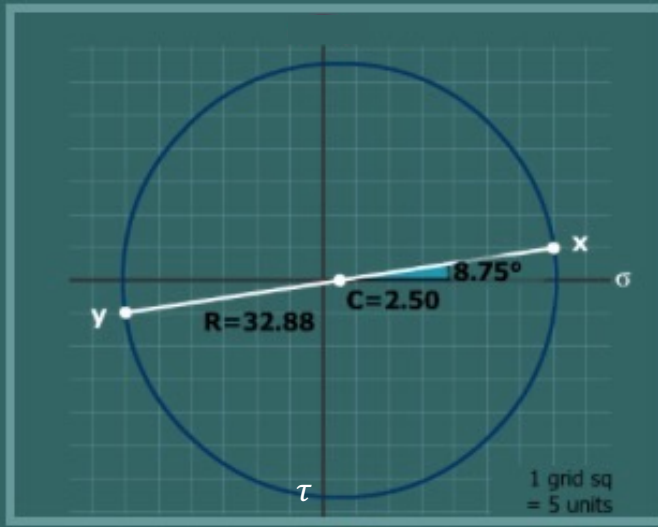
$$\sigma_{ave} = (35 - 30) / 2 = 2.5$$

$$\tau_{xy} > 0$$

(a)

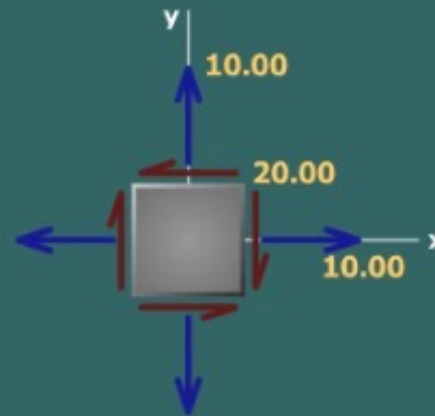
(b)

(c)



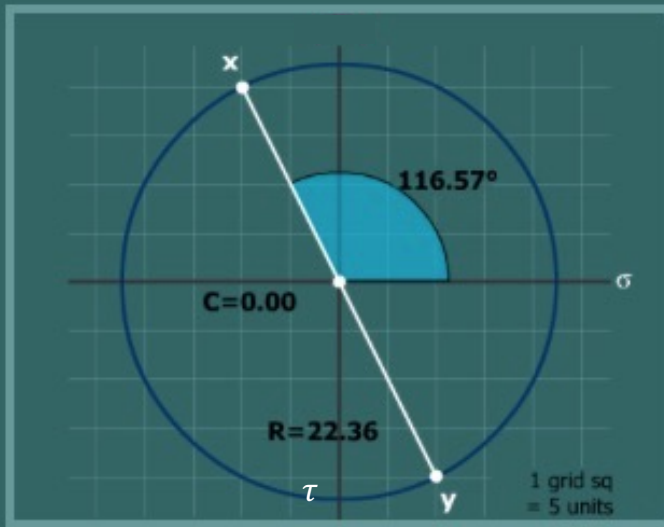
One of the Mohr's circles shown is correct for the state of stress depicted on the stress element. Click on the correct Mohr's circle.

## Question Q1.4

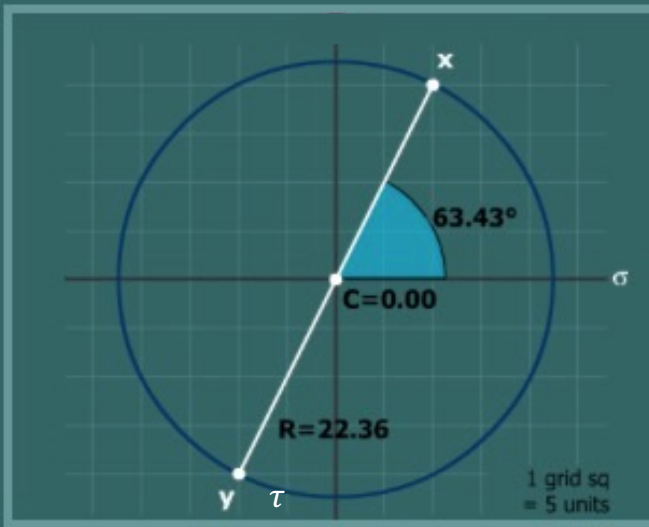


$$\sigma_{ave} = (10 + 10) / 2 = 10$$

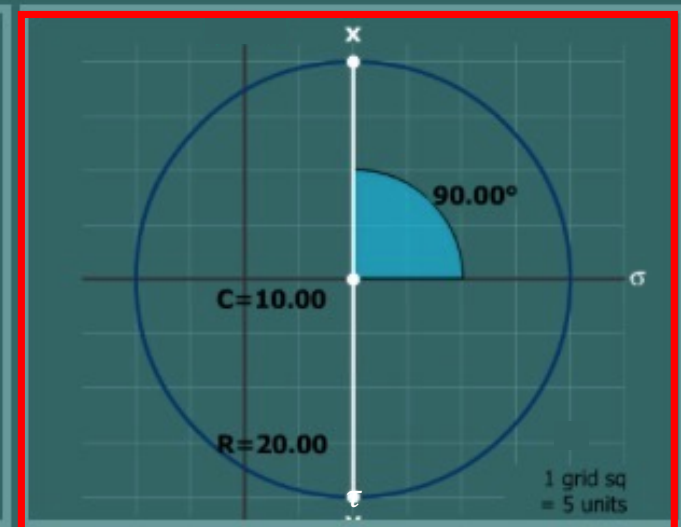
(a)



(b)



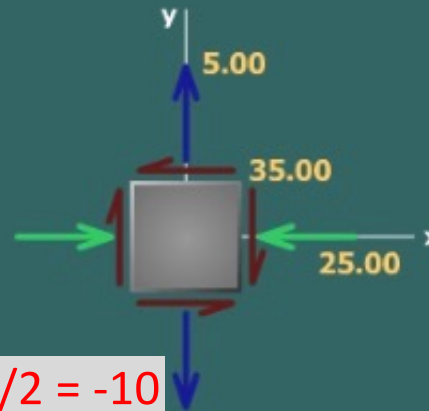
(c)



One of the Mohr's circles shown is correct for the state of stress depicted on the stress element. Click on the correct Mohr's circle.

## Question Q1.5

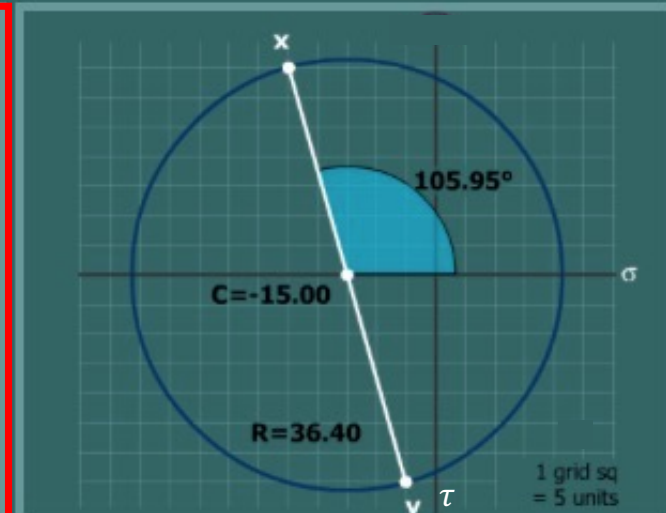
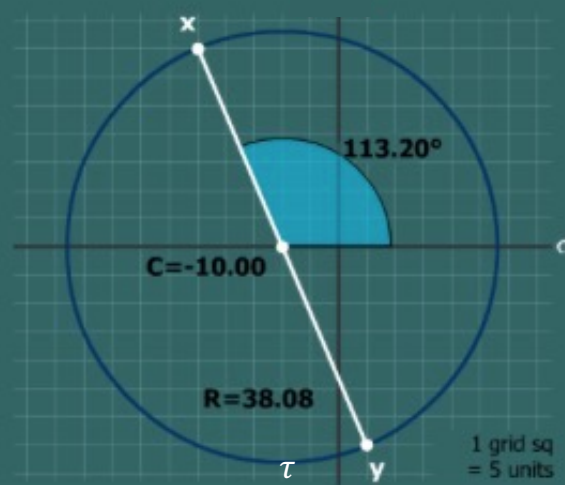
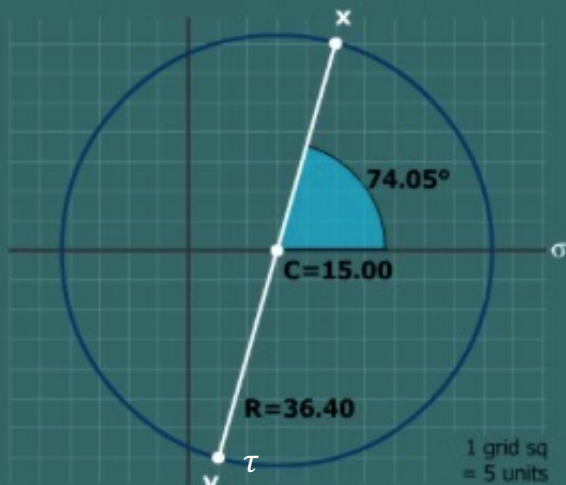
$$\sigma_{ave} = (-25 + 5) / 2 = -10$$



(a)

(b)

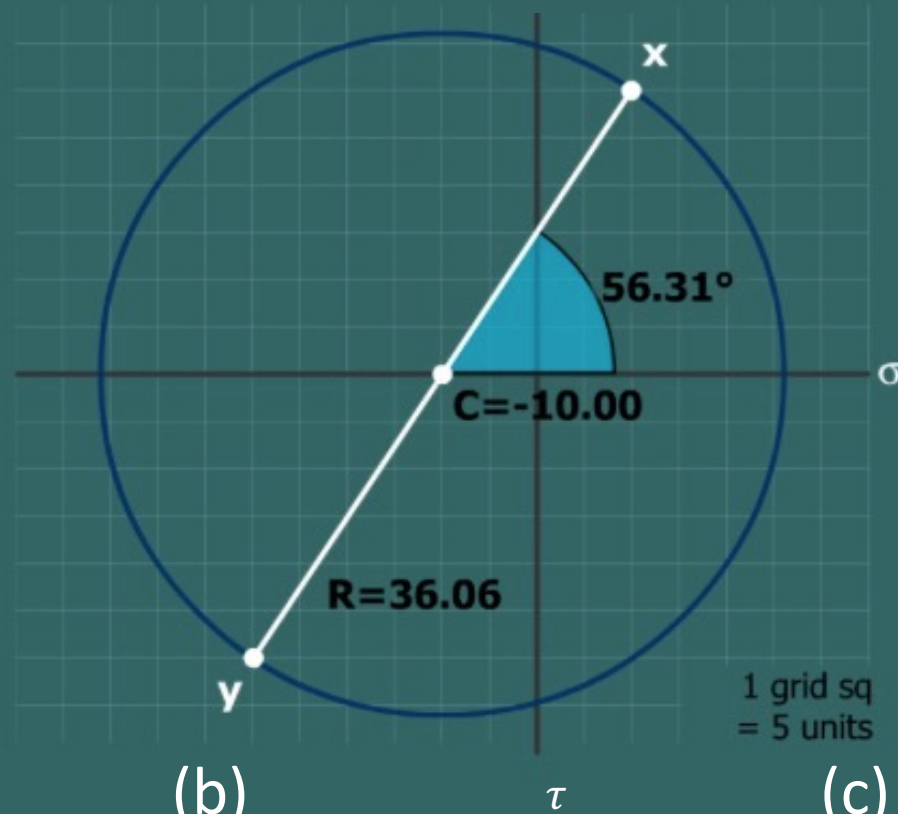
(c)



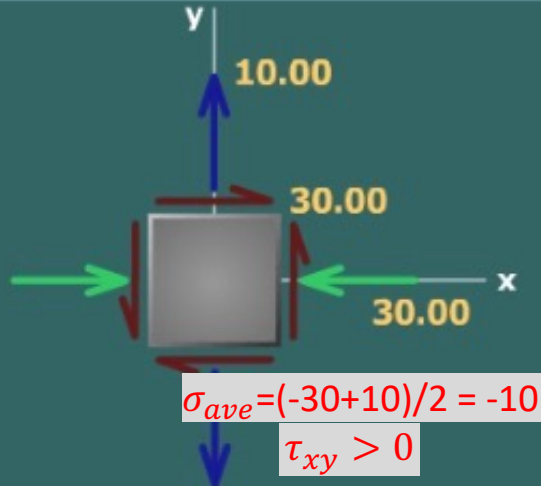


One of the stress elements shown is correct for this Mohr's circle. Click on the correct stress element.

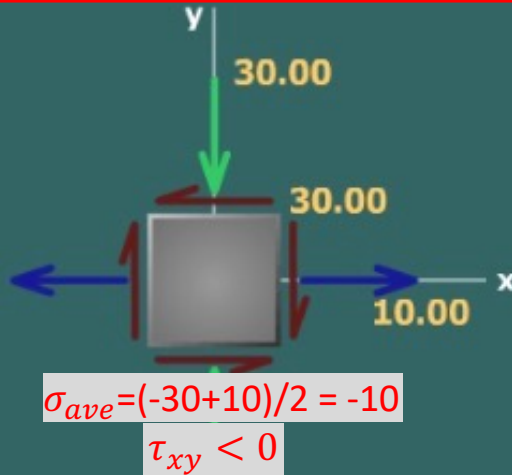
## Question Q2.1



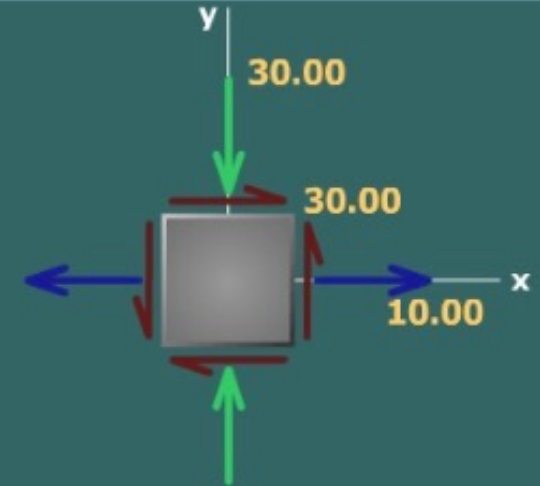
(a)



(b)

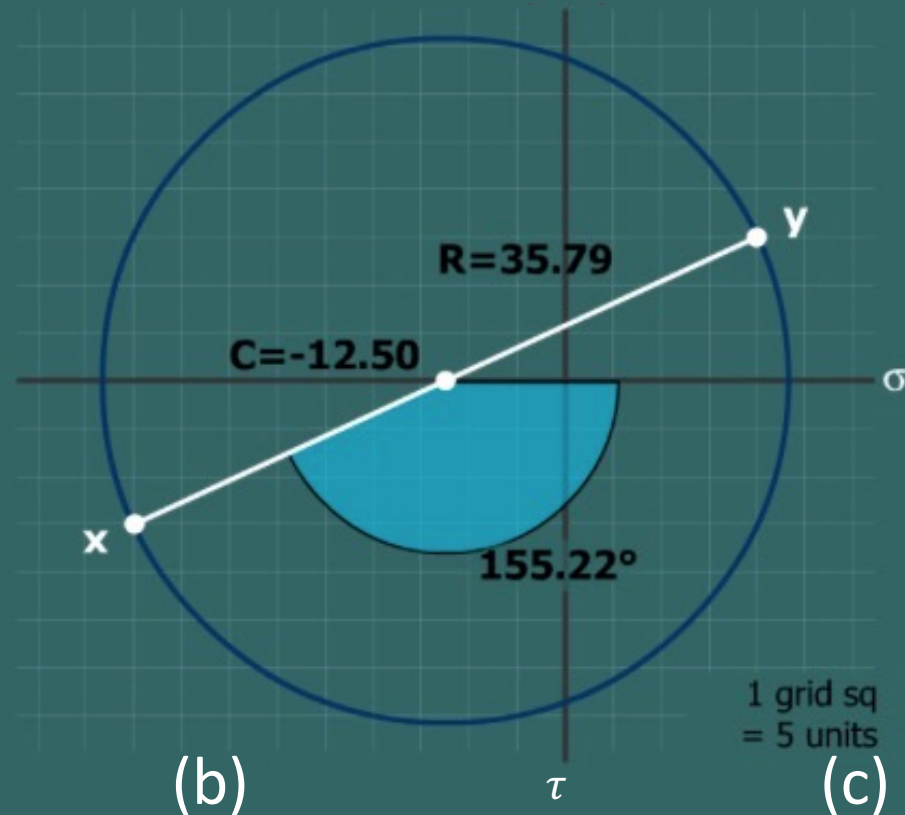


(c)



One of the stress elements shown is correct for this Mohr's circle. Click on the correct stress element.

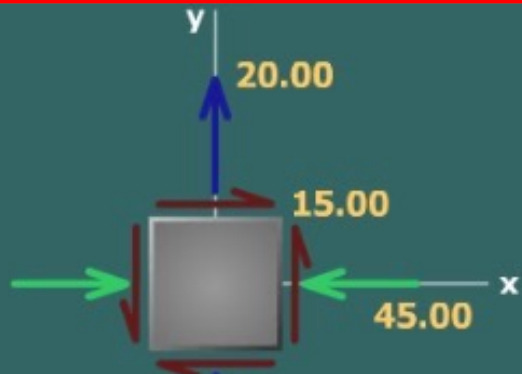
## Question Q2.2



(a)

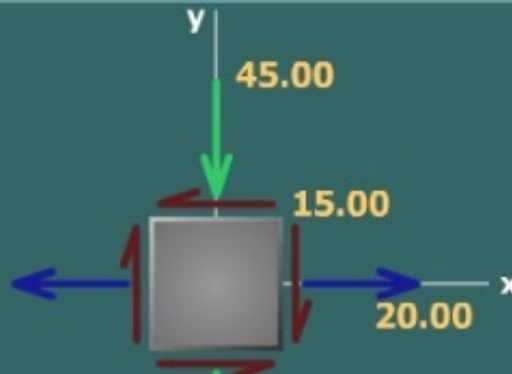
(b)

(c)



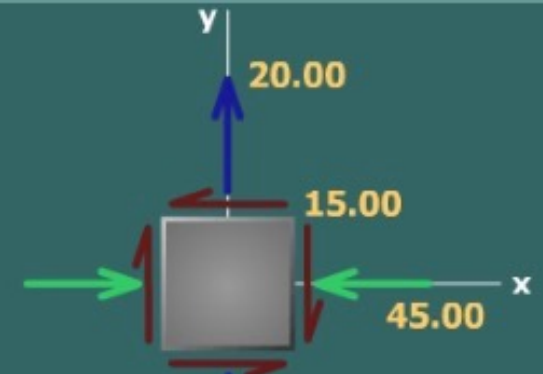
$$\sigma_{ave} = (-45 + 20) / 2 = -12.5$$

$$\tau_{xy} > 0$$



$$\sigma_{ave} = (-45 + 20) / 2 = -12.5$$

$$\tau_{xy} < 0$$

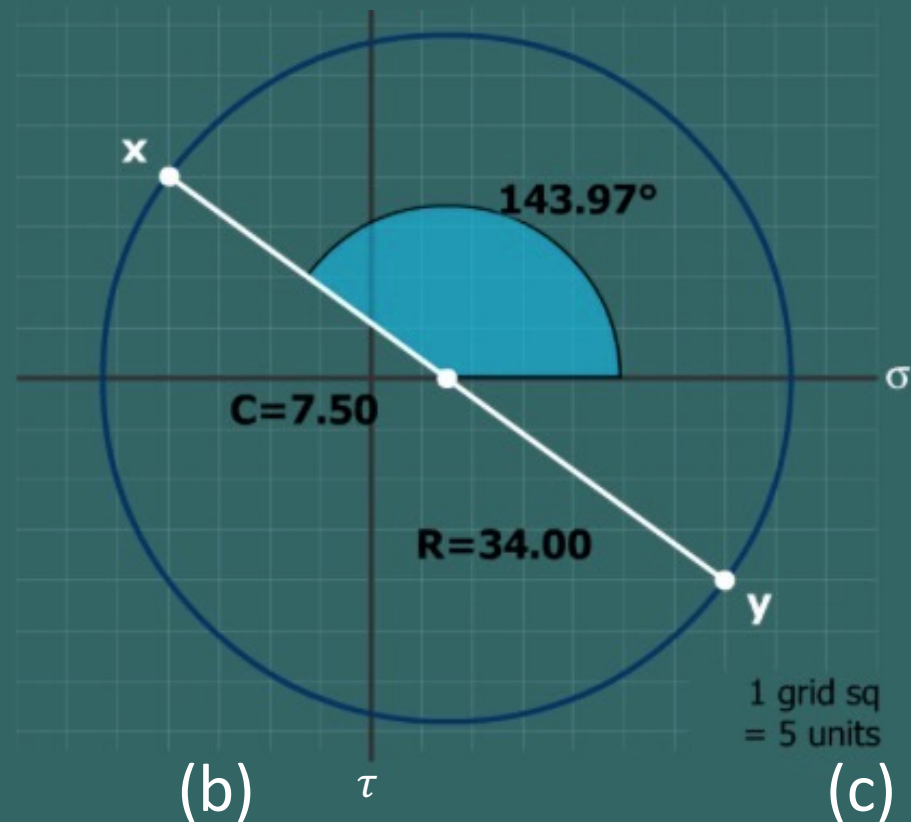


$$\sigma_{ave} = (-45 + 20) / 2 = -12.5$$

$$\tau_{xy} < 0$$

One of the stress elements shown is correct for this Mohr's circle. Click on the correct stress element.

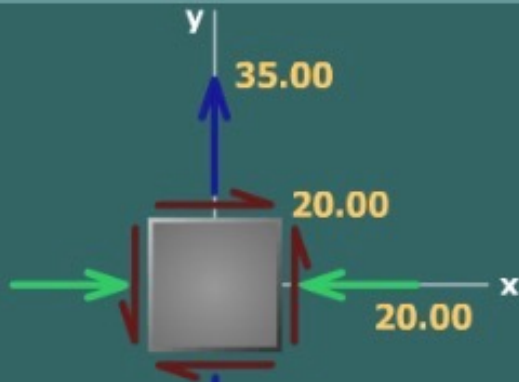
## Question Q2.3



(a)

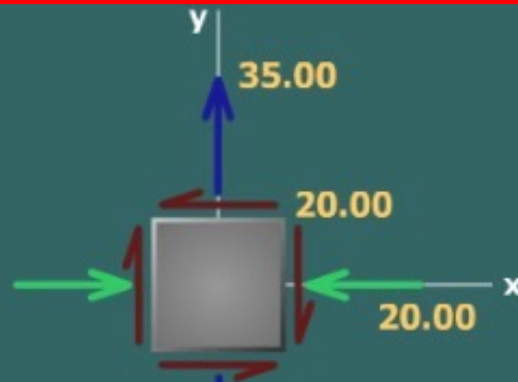
(b)

(c)



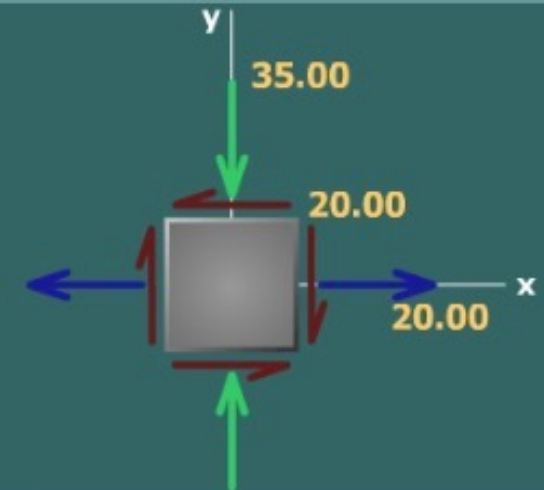
$$\sigma_{ave} = (35 - 20) / 2 = 7.5$$

$$\tau_{xy} > 0$$



$$\sigma_{ave} = (35 - 20) / 2 = 7.5$$

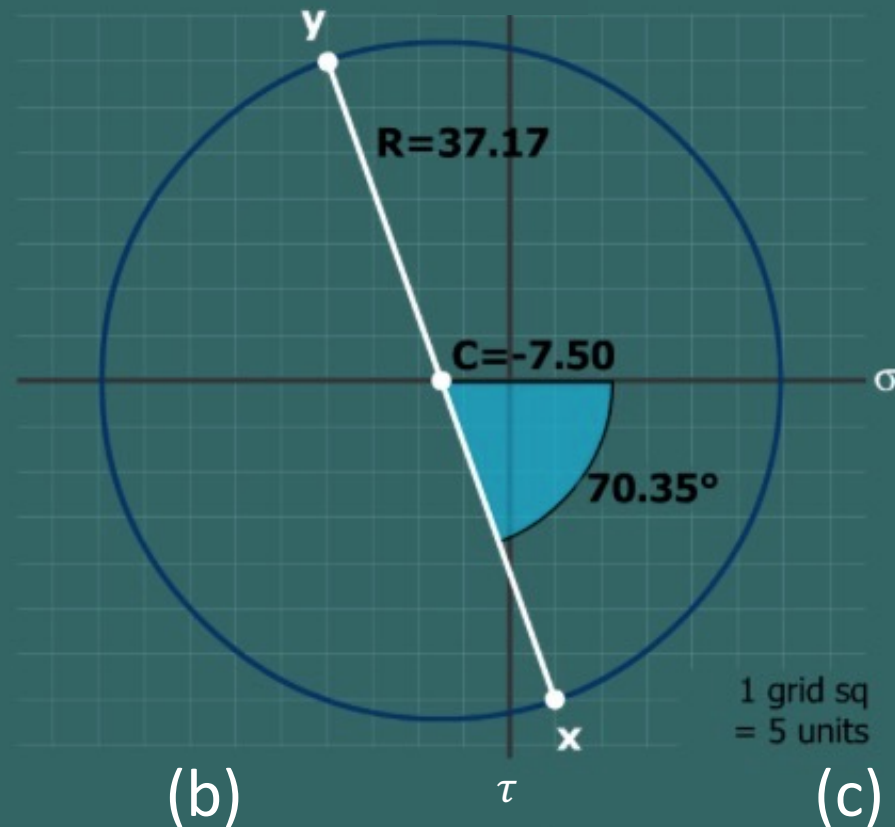
$$\tau_{xy} < 0$$



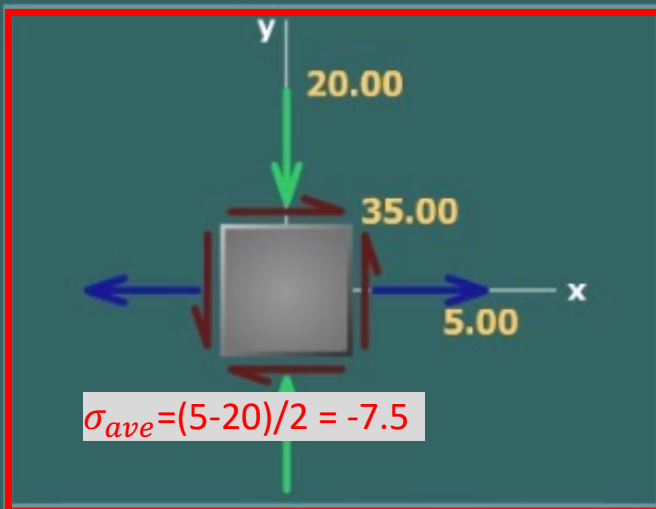


One of the stress elements shown is correct for this Mohr's circle. Click on the correct stress element.

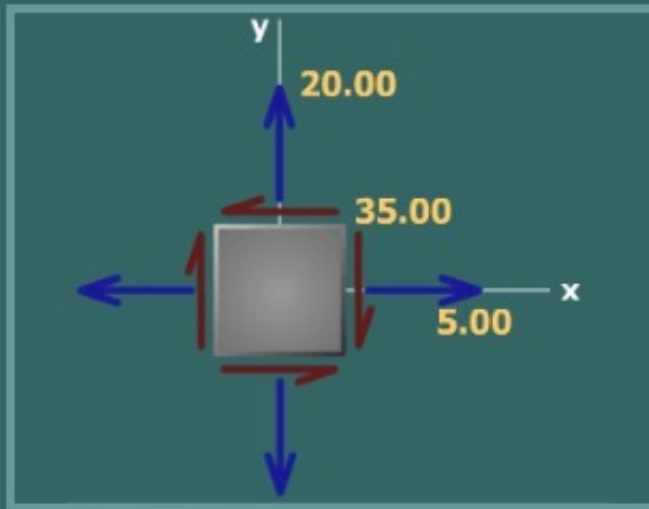
## Question Q2.4



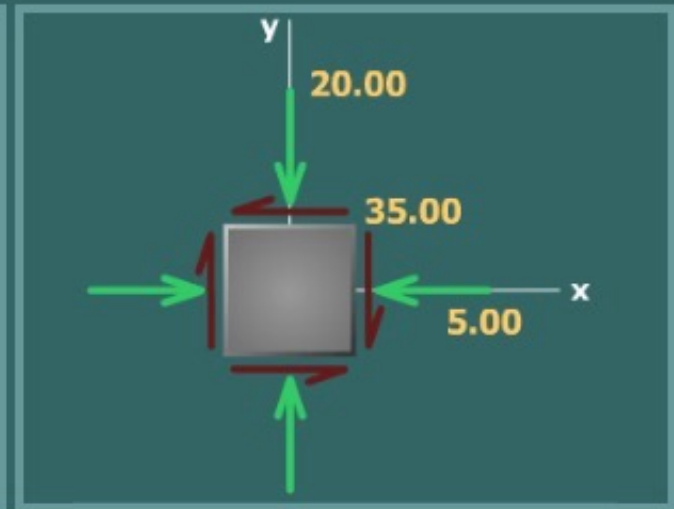
(a)



(b)

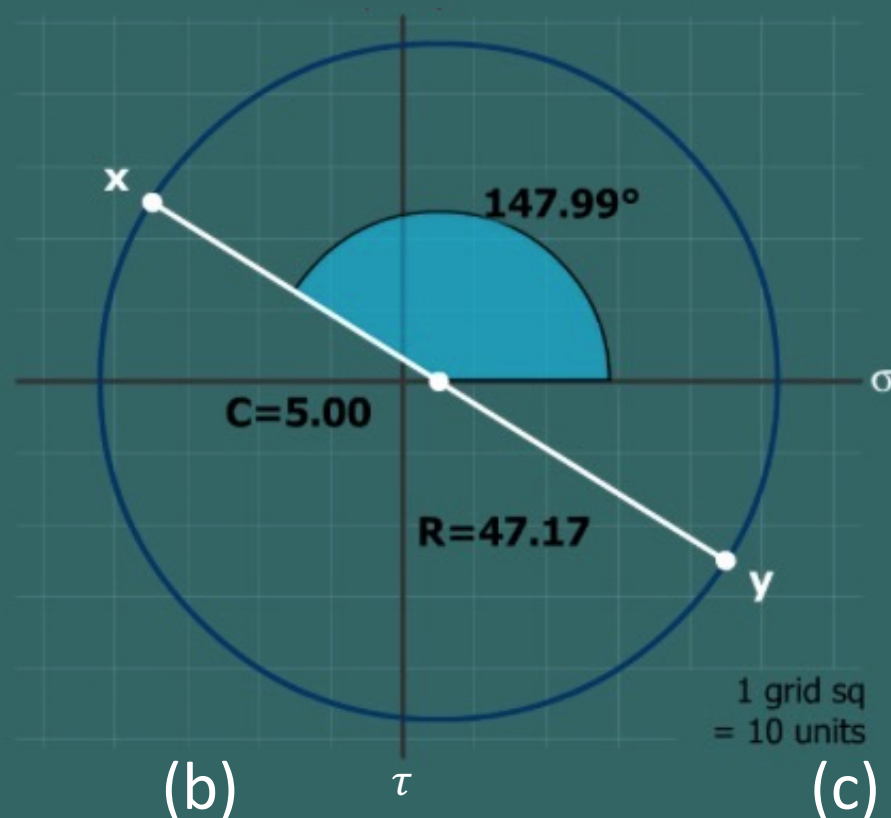


(c)



One of the stress elements shown is correct for this Mohr's circle. Click on the correct stress element.

## Question Q2.5



(a)

(b)

(c)

