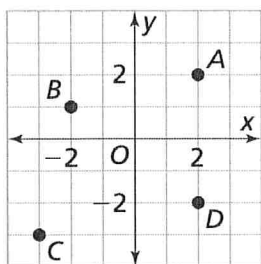


1. Solve the equation below for  $x$ .

$$\frac{1}{2}(x + 256) = 180$$

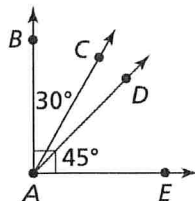
- (A)  $x = -74$
- (B)  $x = 104$
- (C)  $x = 232$
- (D)  $x = 360$

2. Which point is located 2 units above  $(-2, -1)$ ?

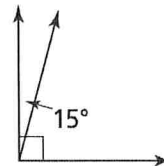


- (A) Point A
- (B) Point B
- (C) Point C
- (D) Point D

3. If  $\angle BAC = 30^\circ$  and  $\angle DAE = 45^\circ$ , what is the value of  $\angle DAC$ ?

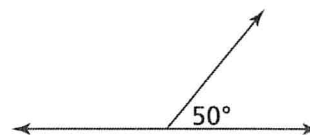


4. What is the missing angle measure?



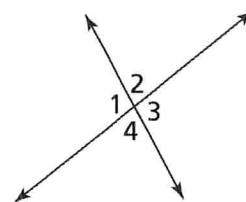
- (A)  $15^\circ$
- (B)  $75^\circ$
- (C)  $90^\circ$
- (D)  $165^\circ$

5. What is the missing angle measure?



- (A)  $40^\circ$
- (B)  $50^\circ$
- (C)  $90^\circ$
- (D)  $130^\circ$

6. If  $m\angle 2 = 80^\circ$ , what is  $m\angle 4$ ?



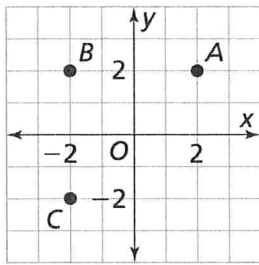
- (A)  $10^\circ$
- (B)  $80^\circ$
- (C)  $90^\circ$
- (D)  $100^\circ$

7. Solve the equation below for  $x$ .

$$\frac{1}{3}(x - 15) = 95$$

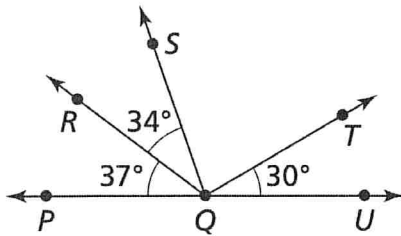
- (A)  $x = 105$
- (B)  $x = 215$
- (C)  $x = 300$
- (D)  $x = 310$

8. What would be the coordinates of Point  $D$  to complete square  $ABCD$ ?

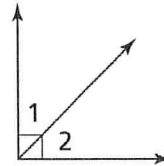


- (A) (2, 2)
- (B) (-2, 2)
- (C) (-2, -2)
- (D) (2, -2)

9. What is the value of  $\angle SQT$ ?




10. If  $\angle 1$  and  $\angle 2$  have the same measure, what is the measure of the angles?

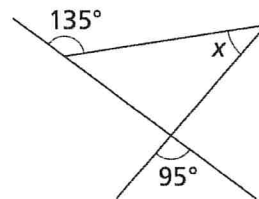


- (A)  $40^\circ$
- (B)  $45^\circ$
- (C)  $50^\circ$
- (D)  $90^\circ$

11. What is the sum of the measures of the angles in a triangle?

- (A)  $90^\circ$
- (B)  $180^\circ$
- (C)  $270^\circ$
- (D)  $360^\circ$

12. What is the value of  $x$ ?

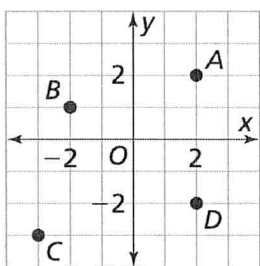


1. Solve the equation below for  $x$ .

$$\frac{1}{2}(x + 256) = 180$$

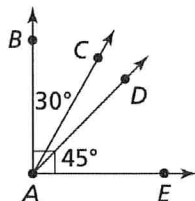
- (A)  $x = -74$
- (B)  $x = 104$**
- (C)  $x = 232$
- (D)  $x = 360$

2. Which point is located 2 units above  $(-2, -1)$ ?



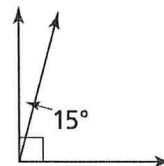
- (A) Point A
- (B) Point B**
- (C) Point C
- (D) Point D

3. If  $\angle BAC = 30^\circ$  and  $\angle DAE = 45^\circ$ , what is the value of  $\angle DAC$ ?



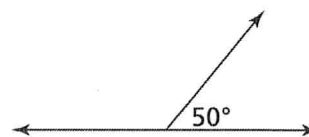
**15 degrees**

4. What is the missing angle measure?



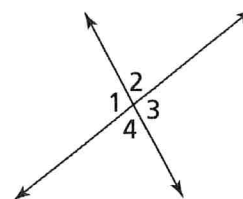
- (A)  $15^\circ$
- (B)  $75^\circ$**
- (C)  $90^\circ$
- (D)  $165^\circ$

5. What is the missing angle measure?



- (A)  $40^\circ$
- (B)  $50^\circ$**
- (C)  $90^\circ$
- (D)  $130^\circ$

6. If  $m\angle 2 = 80^\circ$ , what is  $m\angle 4$ ?



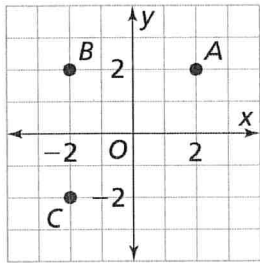
- (A)  $10^\circ$
- (B)  $80^\circ$**
- (C)  $90^\circ$
- (D)  $100^\circ$

7. Solve the equation below for  $x$ .

$$\frac{1}{3}(x - 15) = 95$$

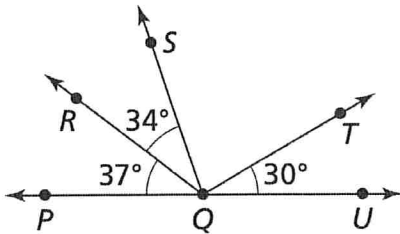
- (A)  $x = 105$
- (B)  $x = 215$
- (C)  $x = 300$
- (D)  $x = 310$

8. What would be the coordinates of Point  $D$  to complete square  $ABCD$ ?



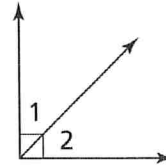
- (A) (2, 2)
- (B) (-2, 2)
- (C) (-2, -2)
- (D) (2, -2)

9. What is the value of  $\angle SQT$ ?



**79 degrees**

10. If  $\angle 1$  and  $\angle 2$  have the same measure, what is the measure of the angles?

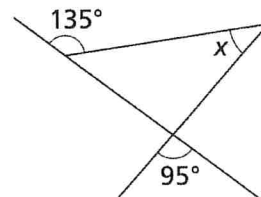


- (A)  $40^\circ$
- (B)  $45^\circ$
- (C)  $50^\circ$
- (D)  $90^\circ$

11. What is the sum of the measures of the angles in a triangle?

- (A)  $90^\circ$
- (B)  $180^\circ$
- (C)  $270^\circ$
- (D)  $360^\circ$

12. What is the value of  $x$ ?



**40 degrees**