ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

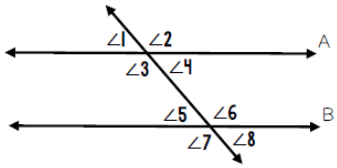
Sub: Algebra and Geometry **Class: 7** **Date: 13.06.20**

Duration: 40 min **Worksheet Solutions 31** **Full Marks: 15**

LINES AND ANGLES

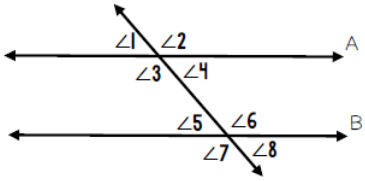
Choose the Correct options:

1.Which of the following is NOT an example of supplementary angles?



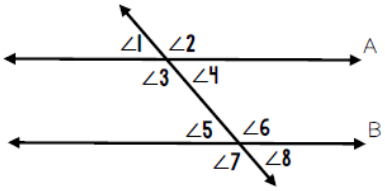
(a) ∠7 and ∠8
(b) ∠2 and ∠3
(c) ∠1 and ∠7
(d) ∠6 and ∠4

2. If the m∠7 = 115°, find the measure of ∠2.



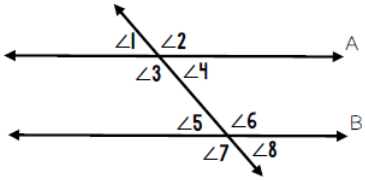
(a) 115°
(b) 65°
(c) 180°
(d) Cannot be determined

3. If the m∠5 = 63°, find the measure of ∠3



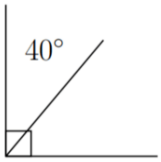
(a) 63°
(b) 117°
(c) 180°
(d) Cannot be determined

4. Find the value of x if the m∠1 = 11x − 9° and the m∠5 = 7x +9°



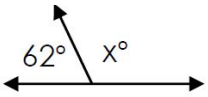
(a) -4.5
(b) 4.5
(c) 1
(d) 0

5. Find the missing angle.



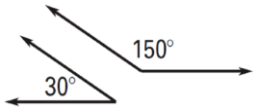
(a) 60°
(b) 70°
(c) 50°
(d) 140

6.



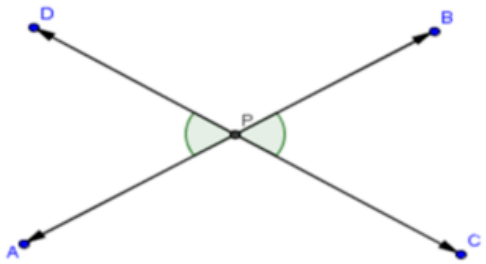
(a) x = 118
(b) x = 108
(c) x = 28
(d) x = 58

7. complementary, supplementary, or neither?



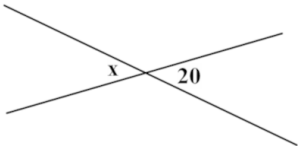
(a) Complementary
(b) Supplementary\
(c) Reflex
(d) Neither

8. What angle pair is pictured?



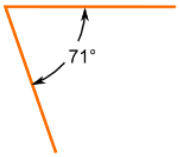
(a) Alternate Interior Angles
(b) Supplementary Angles
(c) Vertical Angles
(d) Corresponding Angles

9. Find the missing angle. Find x.



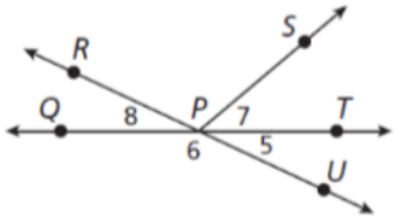
(a) 20°
(b) 70°
(c) 160°
(d) 180°

10. This is what kind of angle?



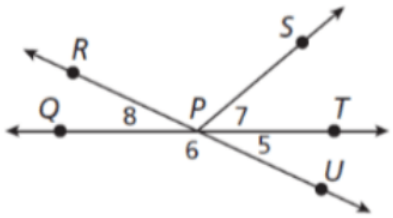
(a) obtuse
(b) right
(c) straight
(d) acute

11 ∠7 and ∠TPU are _____



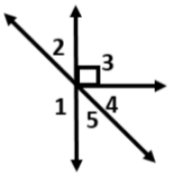
(a) Complementary and Adjacent
(b) Supplementary and Adjacent
(c) Adjacent
(d) Vertical

12. ∠7 and ∠8 are _____



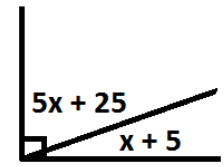
(a) Vertical
(b) Nothing
(c) Adjacent
(d) Supplementary

13. What angle is vertical to angle 2?



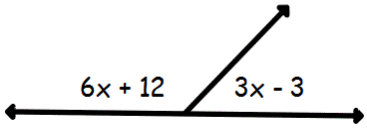
(a) ∠4
(b) ∠1
(c) ∠2
(d) ∠5

14. Solve for x



(a) 5
(b) 90
(c) 25
(d) 10

15. Find the value of x



(a) -5
(b) 28
(c) 19
(d) -3