

1. Uno Proof – Given: Green 2

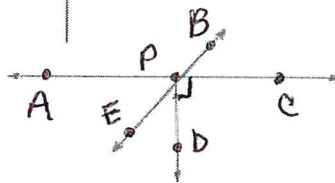
Prove: Red 7

Hand: Blue 2, Blue Skip, Yellow Skip, Yellow 7

Statements	Reasons

2. Solve with a proof:  $3(2x - 4) = 18$

Statements	Reasons



Use the diagram for #3-10

3. List a pair of vertical angles:

4. List a linear pair of angles:

5. List a pair of complementary angles:

6. List a pair of supplementary angles:

7. List a pair of adjacent angles:

8. List a pair of right angles:

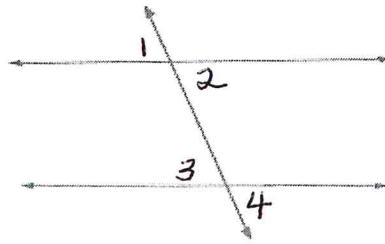
9. List an obtuse angle:

10. List an acute angle:

11. Complete the proof:

Given:  $\angle 1 \cong \angle 3$

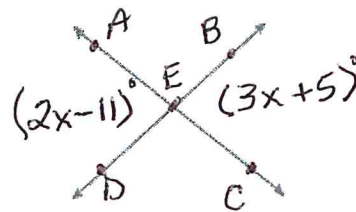
Prove:  $\angle 2 \cong \angle 4$



Statements

Reasons

12. Solve for  $x$  as a proof:



Statements

Reasons

13. Give an example of each:

Transitive Property:

Symmetric Property:

Reflexive Property:

14. Solve the system of equations:

$$x + 3y = 24$$

$$2x + y = 13$$

15. Solve for  $x$ :

$$-3 = 4 + \frac{x}{5}$$

16. Find the distance between  $(4, 7)$  and  $(6, 11)$ :

17. Find the intercepts:

$$4x + 3y = 60$$

18. Write the equation of the line through point  $(11, 47)$  and perpendicular to  $y = \frac{7}{3}x + 62$

19. The population of flamingos is 17,023 and decreasing at a rate of 16%. Write an equation to model the population for any given year.

20. Find the length indicated:

Find  $EC$

