1. Uno Proof – Given: Blue Reverse

           Prove: Yellow Skip
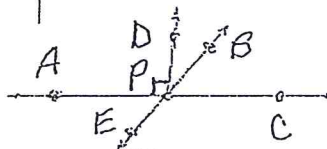
           Hand: Red 2, Green 7, Blue 2, Red Skip

Statements	Reasons

2. Solve with a proof: $2(x + 3) - 7 = 12$

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:

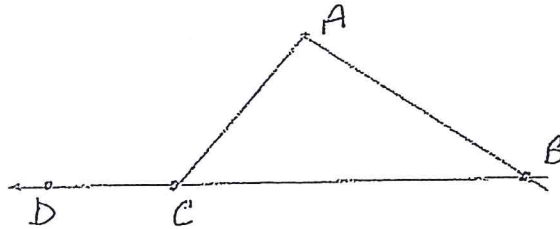7. List a pair of adjacent angles:

8. List a pair of right angles:

9. List an obtuse angle:

10. List an acute angle:

11. Complete the proof:
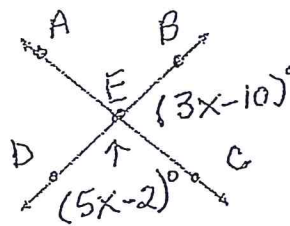
   Given: $m\angle DCA = 117°$, $m\angle A = 70°$

   Prove: $m\angle B = 47°$

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:

   $2x + y = 8$

   $4x + 3y = 14$

15. Solve for x:

$$-6 = \frac{3+x}{2}$$

16. Find the midpoint of the line segment with endpoints: (8, -3) and (-2, 7):

17. Find the intercepts:

$$2x - 7y = 28$$

18. Write the equation of the line through point (-17, 36) and perpendicular to $y = -\frac{2}{3}x + 42$

19. The population of wolverines is 4,701 and increasing at a rate of 5%. Write an equation to model the population for any given year.

20. Find the length indicated:

Find FG

$E \bullet \overset{6}{\rule{2cm}{0.4pt}} \underset{F}{\bullet} \overset{2x-7}{\rule{3cm}{0.4pt}} \bullet G$

$\mid\leftarrow \underset{x+5}{\rule{5cm}{0.4pt}} \rightarrow\mid$