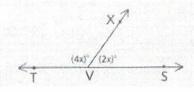
10 Find the measure of ∠XVS.



$$4x+2x=180$$
 $2(30)=60°$

11 One of two supplementary angles (is) 70° greater than the second. Find the measure of the larger angle.



P (3, 4)

- point A. Find the coordinates of A.
- b Point P is reflected over the origin to $\beta(-3,-4)$ point B. Find the coordinates of B. c If C is the midpoint of PA, find the coordinates of C.
- 13 Complete each of the following conditional statements and justify your completion with an explanation. a If two angles are supplementary and congruent, then ? THEY ALE BOTH LT. AVILES (96 b If two angles are complementary and congruent, then I THY ME BOTH 45°.
- 16 Two supplementary angles are in the ratio 11:7. Find the measure of each.

$$1/8 \times = 1/80$$
 $1((10) \neq 1/10^{\circ})$
 $1/8 \times = 1/80$ $7((10) \neq 70^{\circ})$

- 19 One of two complementary angles added to one-half the other yields 72°. Find half the measure of the larger.

$$-\frac{1}{2}x = -18$$
 Com = $\frac{54}{2}$

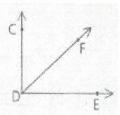
21 The supplement of an angle is four times the complement of the angle. Find the measure of the complement.

7 Given: CD \(\times\) DE

Prove: ∠CDF is comp. to ∠FDE. (Hint:

This proof takes more than two

steps.)



Statements

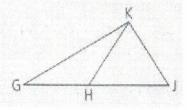
Reasons

- 2) LCDE PT. ANGLE
- 3) LCOF COMP LFDE

- 1) GIVEN
- 2) IF 2 CINES ARE PERP, THEN THEY FIRM PE. AUGUS.
 3) IF 2 ANGLES FORM A RT ANGLE, THEN THOY

8 Given: Diagram as shown

Prove: ∠GHK is supp. to ∠KHJ.



Statements

Reasons

1)/ CMU SUPP. LKM

1) IF 2 ANGLES FRAM A STORAIONT ANGLE, THON THEY

NOTE: NO NEED TO SAM LGUT STAIGHT MOLE