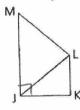
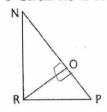
- 2 In each of the following, name the angles that can be proved to be right angles.
 - a Given: IM ⊥ IK



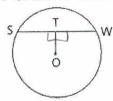
LMUK

b Given: RO ⊥ PN



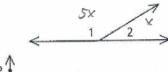
LRON AND LROP

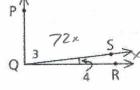
c Given: OT 1 SW



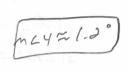
LOTS AND LOTW

- 4 a $\angle 1$ is five times as large as $\angle 2$. Find $m\angle 2$.
 - **b** $\angle 3$ is 72 times as large as $\angle 4$, and PO ⊥ OR. Find m∠4 to the nearest tenth. (Hint: Use a calculator to do the arithmetic.)

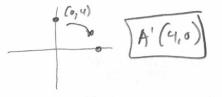




3 x+ 2



5 On a graph, point A is at (0, 4). Point A is then rotated 90° clockwise about the origin to point A'. What are the coordinates of A'?



8 Given: $\angle MOR = (3x + 7)^\circ$,

$$\angle ROP = (4x - 1)^{\circ},$$

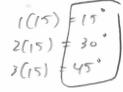
 $\overline{MO} \perp \overline{OP}$

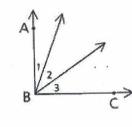
Which angle is larger, ∠MOR or ∠ROP?

LROP



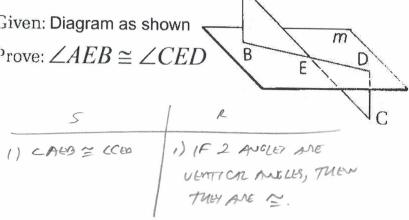
11 AB L BC and angles 1, 2, and 3 are in the ratio 1:2:3. Find the measure of each angle. 25, 30, 45





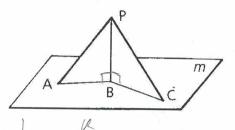


Prove: $\angle AEB \cong \angle CED$



2 Given: $PB \perp m$

Prove: $\angle ABP \cong \angle CBP$

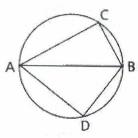


1) PB 1 m

- 1) GIVEN
- 2) LABP RT. ANGLE
- 2) IF A. SERMENT IS PERE TO PIEVE, THON MAY FORM RIGHT ANDLES.
- 3) LOBP KT ANGLE
- 3) SAME AS STED >
- 4) CASP = CCBP
- 4) IF I MUSLET ARE PT. ANGLES, THEN THEY ARE S.

7 Given: ∠ACB = 90°, $\overline{AD} \perp \overline{BD}$

Prove: ∠C ≅ ∠D (Hint: This proof takes more than three steps.)



- 2

- 1) GIVEN
- 2) AD + BD
- 21 GIVEN
- 3) LC RT. MELE
- 3) IF ANAWGLE IS 90°, THEN IT IS A RIGHT ANDLE
- 4) LD RT. AUXIE
- 4) IF 2 SEENFORTS ARE PERP, THEN THEY FORM P.T. AWELES.
- 5) LC=()
- 5) IF 2 ANDLES AME RT. ANGLES, THEN THEY ARE =.