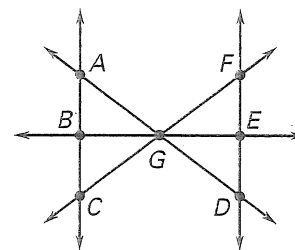


# Cumulative Review

For use after Chapters 1–7

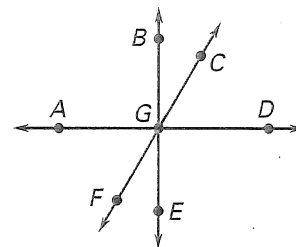
Name a point that is collinear with the given points. (1.1)

1. A and C
2. G and F

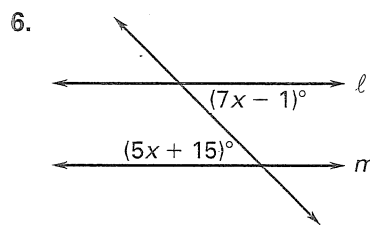
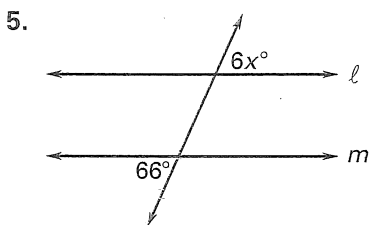


Complete the statement given that  $m\angle AGB = m\angle DGB = 90^\circ$ . (2.6)

3. If  $m\angle CGD = 60^\circ$ , then the  $m\angle BGC = \underline{\quad ? \quad}$ .
4. If  $m\angle FGA = 60^\circ$ , then the  $m\angle AGC = \underline{\quad ? \quad}$ .



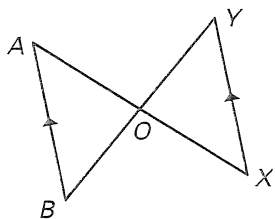
Find the value of  $x$  that makes  $l \parallel m$ . (3.4)



Prove the following using a two-column format. (4.3 and 4.4)

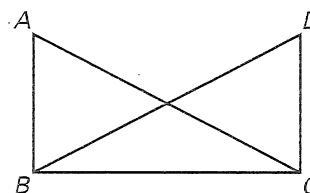
7. Given:  $\overline{AB} \parallel \overline{XY}$   
 $O$  is a midpoint of  $\overline{BY}$ .

Prove:  $\triangle ABO \cong \triangle XYO$



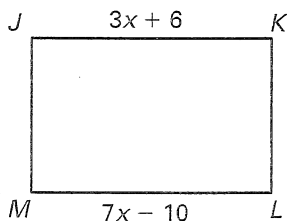
8. Given:  $\angle A \cong \angle D$   
 $\angle B \cong \angle C$

Prove:  $\overline{AB} \cong \overline{DC}$



Find the value of  $x$ . (6.4)

9.  $JKLM$  is a rectangle.



10.  $TCBY$  is a rhombus.

