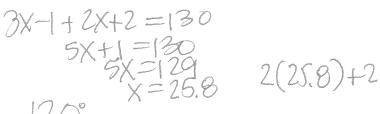
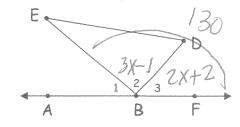
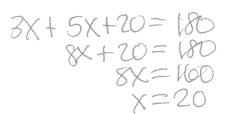
Geometry Practice 1-5

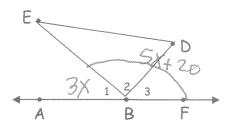
If $m\angle EBD = (3x - 1)^{\circ}$, $m\angle DBF = (2x + 2)^{\circ}$, and $m\angle EBF = 130^{\circ}$, find $m\angle DBF$.





If $m \angle ABE = 3x^{\circ}$ and $m \angle EBF = (5x + 20)^{\circ}$, find $m \angle EBF$.





For # 3-5, use the coordinates A(0,4), B(2,0), C(6,10), and D(-8,-) to solve each problem.

The <u>coordinates</u> of the midpoint (M) of AC.

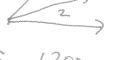
Find the <u>distance</u> of AM.

Find the distance of MC.

Draw a picture of each pair of angles given.



6. Adjacent angles



7. Obtuse angle



8. Complementary angles



9. Linear pair



10. Vertical angles



LBCG. & LDCH)
Name an angle or angle pair that satisfies each condition.
1. Name two obtuse vertical angles. GFH 2LBFE 40 F
2. Name a linear pair with vertex B. LGBC LCBA B 40 50° E
3. Name an angle not adjacent to, but complementary LFED by LHGF is complementary to LFGC. LFGC=40°
4. Name an angle adjacent and supplementary to ∠DCB ∠BCG or ∠DCD
5. ALGEBRA Two angles are complementary. The measure of one angle is 21 more than twice the measure of the other angle. Find the measures of the angles.
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
6. ALGEBRA If a supplement of an angle has a measure 78 less than the measure of the angle, what are the measures of the angles?
$\frac{x/x-78}{2x-78=180} \times + x-78=180$ $2x-18=180 \Rightarrow x=129 (129° ± 51°)$
Determine whether each statement can be assumed from the figure. Explain.
7. ∠NQO and ∠OQP are complementary. NO-there is no right 4 drawn?
Ues blc S, R, E, Pare collinear! R M P
NO GC they are any the adjacent anear pair.
10. STREET MAPS Darren sketched a map of the cross streets nearest to his home for his friend Miguel. Describe two different angle relationships between the streets.
Beacon & Olive are adjucent angles
Blacon & Olive are adjacent angles Olive & Man are in adjacent angles, but they are also complement any. Main