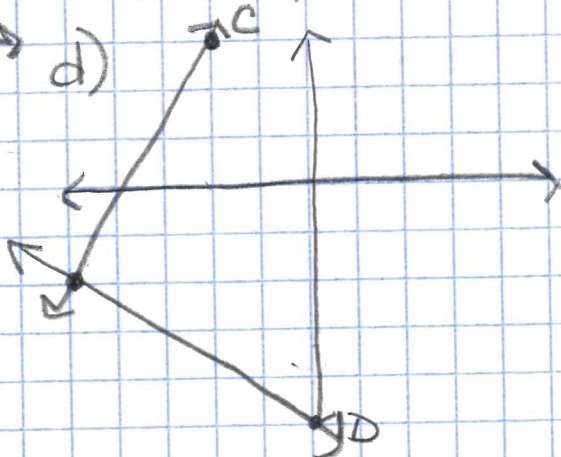


b) a  $y = x + 3$   
 b  $y = -x + 1$

c) a - Slope is 1  
 b - Slope is -1



C:  $y = \frac{5}{3}x + 6$   
 D:  $y = -\frac{3}{5}x - 5$

Slope C  $\frac{5}{3}$

Slope D  $-\frac{3}{5}$

e) The Slope are opposite and reciprocal

- ③  $135^\circ$
- ④ neither
- ⑤ Supplementary
- ⑥ Supplementary
- ⑦ Supplementary
- ⑧ Complementary
- ⑨ Neither

⑩  $90 - 67 =$   
 $m \angle A = 23^\circ$

⑬  $180 - 43 =$   
 $m \angle C = 137^\circ$

⑪  $65^\circ$

- ⑱ Always, Vertical angles are congruent
- ⑲ Never, one is already  $90^\circ$  or they always add to
- ⑳ Never, they are angles greater than  $90^\circ$  so they'll always add to more than  $180^\circ$

⑳  $180^\circ - 70^\circ = \frac{110}{2} = 55^\circ$

⑳ D

㉑  $x - 10 + x + 2 = 90^\circ$   
 $2x - 8 = 90$   
 $+8 \quad +8$   
 $2x = 98^\circ$   
 $\frac{2x}{2} = \frac{98}{2}$   
 $x = 48^\circ$

$\angle E = 48 - 10$   
 $\angle E = 38^\circ$

㉒ G  $105^\circ$

$\angle F = 48 + 2$   
 $\angle F = 50^\circ$