

Warm-up 3/7/17

Are lines AB and BC perpendicular?

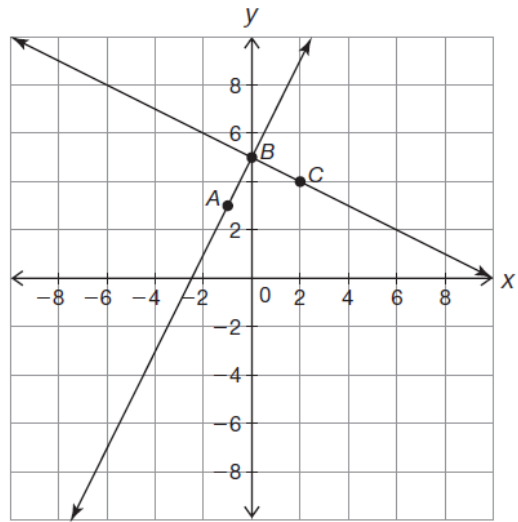
slope
AB

$$\frac{y_2 - y_1}{x_2 - x_1}$$

$$\frac{5 - 3}{0 - (-1)} = \frac{2}{1} = 2$$

slope
BC

$$\frac{4 - 5}{2 - 0} = \frac{-1}{2} = -\frac{1}{2}$$

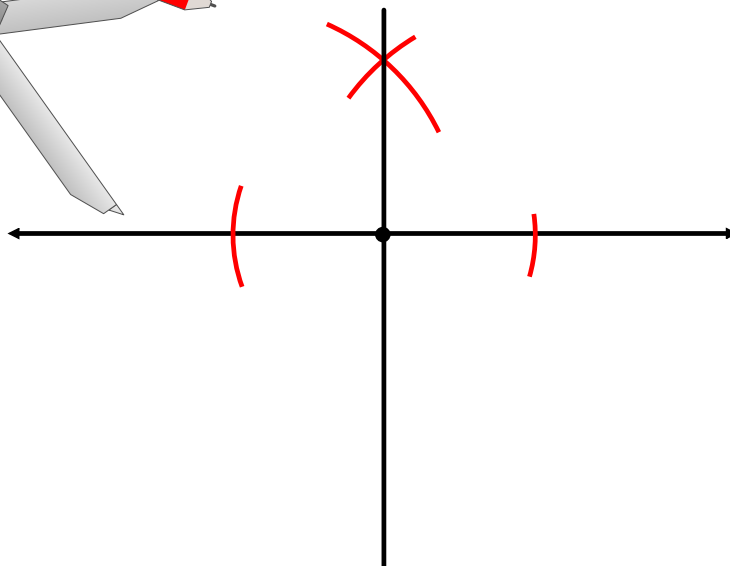
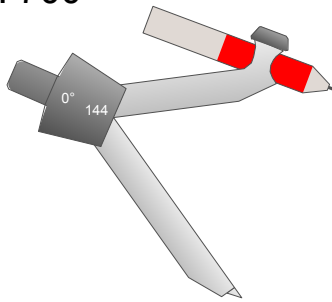


A(-1, 3)

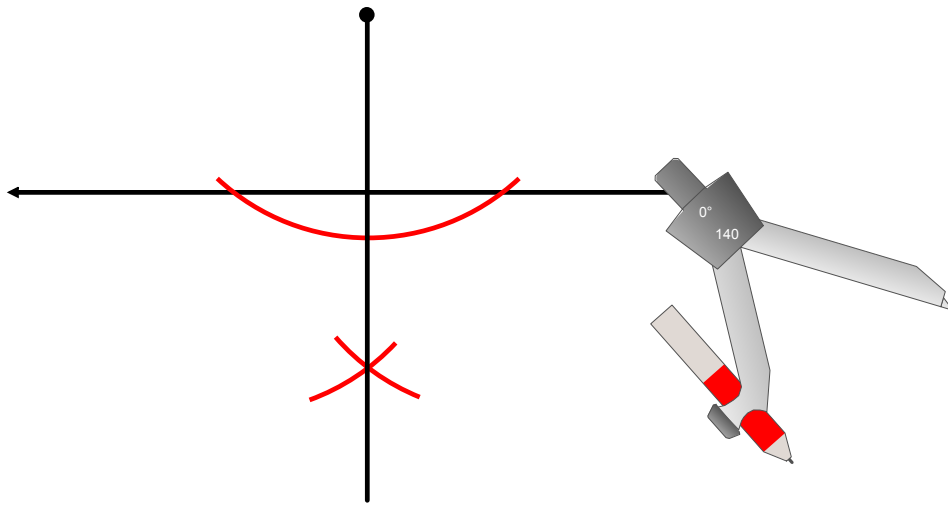
B(0, 5)

C(2, 4)

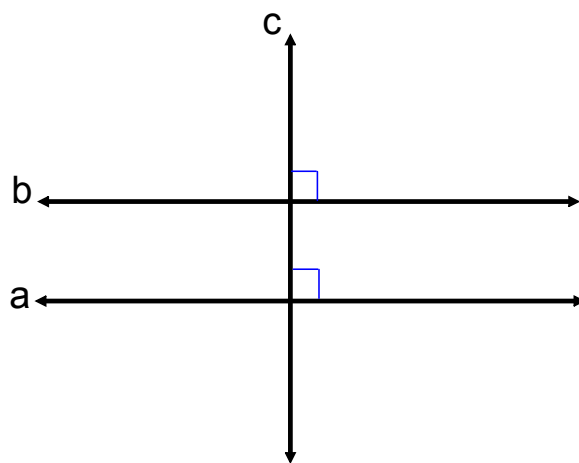
Pg. 700



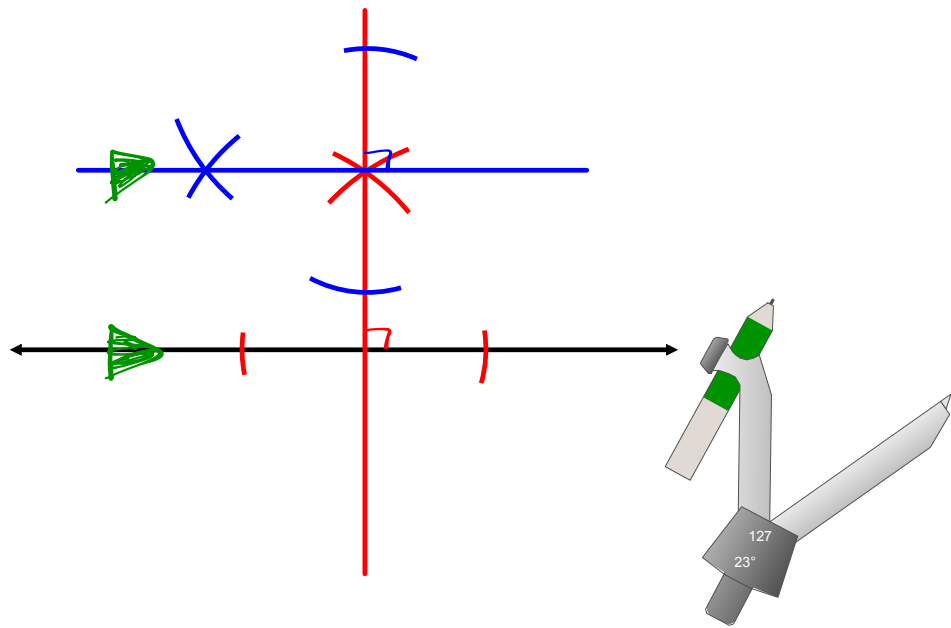
Pg. 701-702



Pg. 703



Pg. 704



Pg. 705

