

# Warm-up

① Find the midpoint of  $(-7, -5)$ ,  $(-3, 7)$ .

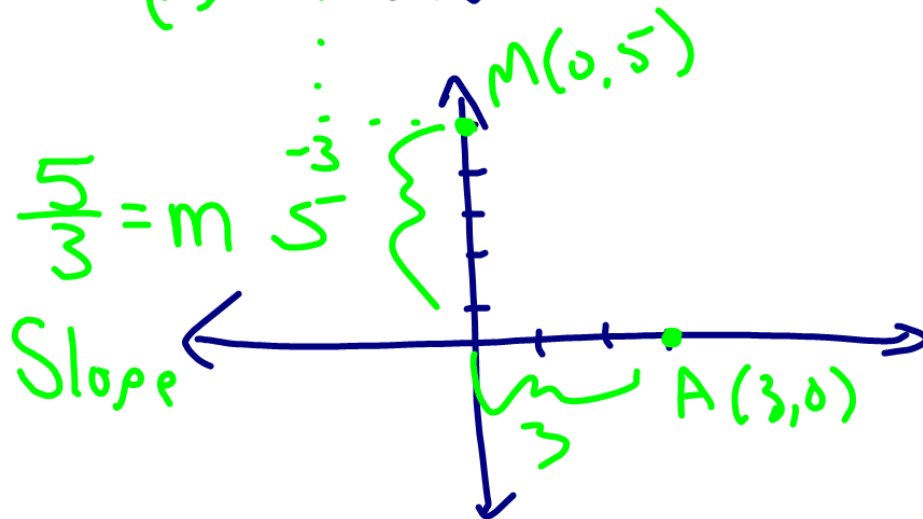
$$\left( \frac{-7+(-3)}{2}, \frac{-5+7}{2} \right) \rightarrow \begin{matrix} (-5, 1) \\ x \quad y \end{matrix}$$

② Find distance from  $(-3, 5)$  to  $(2, 3)$ .

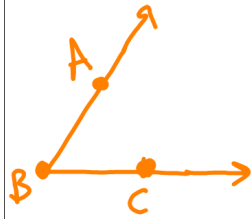
$$\sqrt{(-3-2)^2 + (5-3)^2}$$

$$(-5)^2 + (2)^2$$

$$\begin{matrix} (-3, 5) \\ \vdots \\ (-3, 0) \end{matrix} \quad 25 + 4 = \sqrt{29} \approx 5.4$$

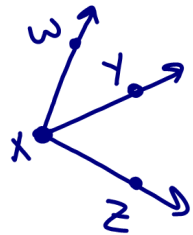


# 1.4 Measure & Classify Angles



- 2 rays  $\vec{BA}$  &  $\vec{BC}$
- Called  $\angle ABC$  or  $\angle CBA$   
 ↑  
 angle symbol
- B is the vertex. Is in the middle of the name




Name 3 different angles



- ①  $\angle YXZ$
- ②  $\angle WXZ$
- ③  $\angle WXY$

## Measure Angles



- |  |  |  |
|--|--|--|
|  |  |  |
| Acute Angle  | Right Angle  | Obtuse   |
| $0^\circ < x < 90^\circ$   | $90^\circ$   | $90 < x < 180$   |
| less than $90^\circ$   |  | bigger than $90^\circ$   |

