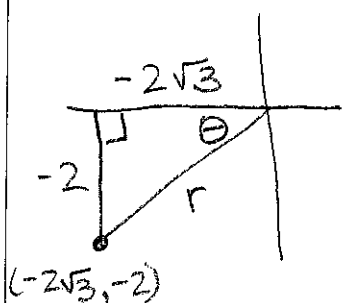


Warmup #1: Review

The terminal side of θ passes through $(-2\sqrt{3}, -2)$,
find r and θ .



$$a^2 + b^2 = c^2$$
$$(-2\sqrt{3})^2 + (-2)^2 = r^2$$

$$12 + 4 = r^2$$

$$16 = r^2$$

$$\boxed{4 = r}$$

$$\tan \theta = \frac{y}{x} \text{ or } \frac{\text{OPP}}{\text{HYP}}$$

$$\tan \theta = \frac{-2}{-2\sqrt{3}}$$

$$\tan \theta = \frac{\sqrt{3}}{3}$$

$$\theta = 210^\circ$$