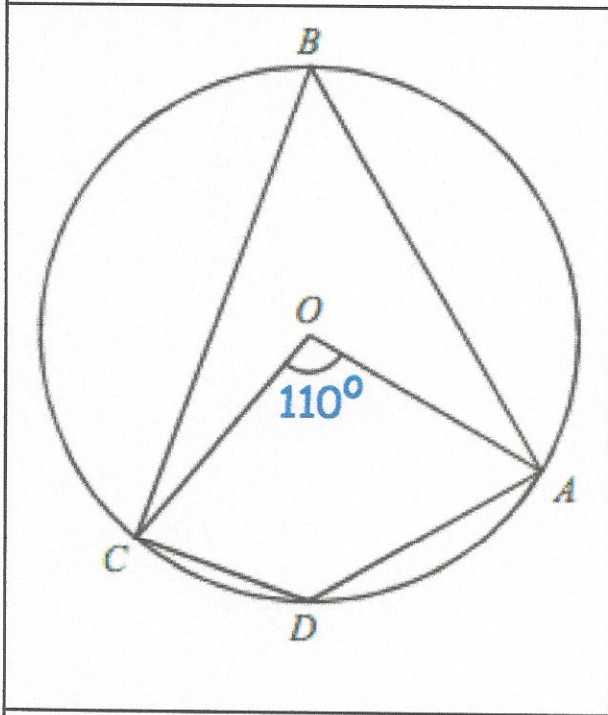


26th June



Find angle ABC.

55°

Find angle ADC

$$180 - 55 = 125$$

Which of these is a geometric progression?

4, 6, 8, 10, 12

4, 8, 16, 32, 64

4, 6, 10, 16, 24

4, 7, 12, 19, 28

C is the point (6, -3)
D is the point (9, -12)

Does the point E(-17, 60) lie on the straight line passing through CD?

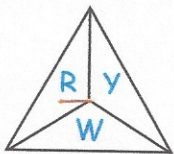
No

$$\frac{-12 - -3}{9 - 6} = \frac{-9}{3} = -3$$

$$y = -3x + c \qquad y = -3x + 15$$

$$-3 = -3(6) + c$$

$$-3 = -18 + c \quad c = 15$$



The spinner is spun three times.

Find the probability that the spinner lands on red (R) at least twice.

$$RRR = \frac{1}{3} \times \frac{1}{3} \times \frac{1}{3} = \frac{1}{27}$$

$$RRW = \frac{1}{3} \times \frac{1}{3} \times \frac{1}{3} \times 3 = \frac{3}{27}$$

$$RRY = \frac{1}{3} \times \frac{1}{3} \times \frac{1}{3} \times 3 = \frac{3}{27} \quad \frac{7}{27}$$