Trigonometry - Calculating Angles from Ratio Decimals and Trig Identities

1 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{hyp} = 0.985$$

A	80 deg	B	85 deg
C	75 deg	D	65 deg
E	95 deg	F	100 deg

2 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{adj} = 0.268$$

A	10 deg	B	25 deg
C	15 deg	D	5 deg
E	35 deg	F	20 deg

3 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{adj} = 0.839$$

A	20 deg	B	60 deg
C	40 deg	D	25 deg
E	35 deg	F	55 deg

4 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{adj} = 0.577$$

A	10 deg	B	45 deg
C	20 deg	D	40 deg
E	50 deg	F	30 deg

5 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{adj} = 1.192$$

A	35 deg	B	45 deg
C	60 deg	D	65 deg
E	50 deg	F	55 deg

6 What angle (in degrees) has this ratio of sides?

$$\frac{adj}{hyp} = 0.342$$

A	70 deg	B	55 deg
C	85 deg	D	75 deg
E	80 deg	F	60 deg

7 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{adj} = 2.747$$

A	70 deg	B	60 deg
C	55 deg	D	65 deg
E	75 deg	F	90 deg

8 What angle (in degrees) has this ratio of sides?

$$\frac{adj}{hyp} = 0.643$$

A	35 deg	B	65 deg
C	60 deg	D	55 deg
E	70 deg	F	50 deg