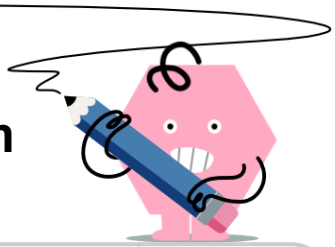
Name

Trigonometry - Calculating Angles from Ratio Fractions and Trig Identities



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

$$\frac{opp}{adj} = \frac{1.99}{8}$$

A	24 deg	B	4 deg
C	34 deg	D	14 deg
E	6 deg	F	29 deg

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

$$\frac{adj}{hyp} = \frac{6}{7.83}$$

A	55 deg	B	25 deg
C	30 deg	D	20 deg
E	50 deg	F	40 deg

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

$$\frac{opp}{hyp} = \frac{3}{3.28}$$

A	66 deg	B	86 deg
C	56 deg	D	61 deg
E	46 deg	F	51 deg

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

$$\frac{opp}{hyp} = \frac{2.5}{5}$$

A	30 deg	B	45 deg
C	15 deg	D	10 deg
E	50 deg	F	25 deg

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

$$\frac{opp}{hyp} = \frac{3}{3}$$

A	102 deg	B	87 deg
C	72 deg	D	77 deg
E	97 deg	F	67 deg

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

$$\frac{opp}{adj} = \frac{34.03}{6}$$

A	95 deg	B	100 deg
C	90 deg	D	80 deg
E	65 deg	F	85 deg

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

$$\frac{adj}{hyp} = \frac{3.91}{7}$$

A	76 deg	B	56 deg
C	71 deg	D	61 deg
E	51 deg	F	36 deg

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

$$\frac{opp}{hyp} = \frac{4}{4.31}$$

A	68 deg	B	53 deg
C	78 deg	D	48 deg
E	73 deg	F	58 deg